



South Coast Air Quality Management District
P. O. Box 4944
Diamond Bar, CA 91765
(909) 396-2000

APPLICATION FOR PERMIT TO CONSTRUCT AND PERMIT TO OPERATE FORM 400 - A

Non-Title V Facilities: This form must be accompanied by one or more 400-E-xx series form(s).
Complete this side of form only.

Title V Facilities: Complete both sides of this form. Include additional forms as necessary.

NC/NOV NUMBER:

INSPECTOR

SECTOR

ISSUE DATE

Section I - Company Information

LEGAL NAME OF OPERATOR

Air Products and Chemicals, Inc.

☒ IRS OR ☐ S. S. NUMBER

2 3 1 2 7 4 4 5 5

PERMIT TO BE ISSUED TO (SEE INSTRUCTIONS)

Same

BUSINESS MAILING ADDRESS

7201 Hamilton Boulevard, Allentown, PA 18195-1501

PERMIT MAILING ADDRESS, IF DIFFERENT FROM BUSINESS MAILING ADDRESS

Same

TYPE OF ORGANIZATION

☒ Corporation

☐ Limited Partnership

☐ Government Entity

☐ Individual

☐ General Partnership

☐ Other (Fill in):

ARE YOU A SMALL BUSINESS? (SEE INSTRUCTIONS)

☐ Yes ☒ No

AVERAGE ANNUAL GROSS RECEIPTS

\$N/A

NUMBER OF EMPLOYEES

IS YOUR BUSINESS 51 % OR MORE WOMAN/MINORITY OWNED?

☐ Yes ☒ No

THIS SECTION IS REQUIRED FOR ALL APPLICATIONS FOR NEW CONSTRUCTION OR MAJOR MODIFICATIONS.

ARE ALL MAJOR SOURCES UNDER SAME OWNERSHIP IN CALIFORNIA IN COMPLIANCE WITH FEDERAL, STATE, AND LOCAL AIR POLLUTION CONTROL RULES?

☐ Yes

☐ No

ARE YOU THE OWNER OF THE EQUIPMENT UNDER THIS APPLICATION?

☒ Yes ☐ No

☐ IRS OR ☐ S. S. NUMBER

IF NO, ENTER THE LEGAL NAME OF OWNER

Section II - Facility Information

EQUIPMENT ADDRESS/LOCATION

23300 South Alameda Street

FACILITY NAME

Air Products Carson Hydrogen Plant

NUMBER/STREET

Carson

CA

90810

CITY OR COMMUNITY

ZIP CODE

FACILITY ID NUMBER

0 0 3 4 1 7

PRINT NAME OF CONTACT PERSON

Jennifer B. Creitz

TITLE OF CONTACT PERSON

Pr. Environmental Engineer

TYPE OF BUSINESS AT THIS FACILITY

Gaseous Hydrogen Production

PRIMARY SIC CODE FOR THIS FACILITY

2 8 1 3

NUMBER OF EMPLOYEES AT THIS FACILITY

16

CONTACT PERSON'S TELEPHONE NUMBER

610-481-4755

CONTACT PERSON'S FAX NUMBER

610-481-6186

CONTACT PERSON'S E-MAIL ADDRESS

creitzjb@apci.com

Section III - Application Type

DESCRIPTION OF EQUIPMENT: Hydrogen Production Plant

PREVIOUS PERMIT #S:

APPLICATION FOR (SEE INSTRUCTIONS):

☐ NEW CONSTRUCTION

☐ EXISTING EQUIPMENT WITHOUT PERMIT

☐ EXISTING EQUIPMENT WITH EXPIRED PERMIT

☐ CHANGE OF LOCATION

☐ MODIFICATION

☐ CHANGE OF PERMITTEE

☐ CHANGE OF PERMIT CONDITION

ARE YOU SUBMITTING MULTIPLE

APPLICATIONS FOR EQUIPMENT

IDENTICAL TO THAT DESCRIBED ABOVE?

☐ Yes ☐ No

☐ APPLICATION FOR NON-TITLE V EQUIPMENT PERMIT. CHECK THE SUPPLEMENTAL SERIES 400-E-xx FORM(S) SUBMITTED WITH THIS 400-A FORM:

- ☐ 400-E-1 • PARTICULATE MATTER (PM-10) CONTROL EQUIPMENT
- ☐ 400-E-2 • VOLATILE ORGANIC COMPOUND (VOC) CONTROL EQUIPMENT
- ☐ 400-E-3 • SCRUBBER
- ☐ 400-E-4 • ABRASIVE BLASTING EQUIPMENT
- ☐ 400-E-6 • DEGREASER
- ☐ 400-E-7 • DRY CLEANING EQUIPMENT
- ☐ 400-E-8 • ETHYLENE OXIDE STERILIZER
- ☐ 400-E-9 • EXTERNAL COMBUSTION EQUIPMENT
- ☐ 400-E-10 • FOOD BROILER/FRYER
- ☐ 400-E-11 • FUEL DISPENSING AND STORAGE EQUIPMENT
- ☐ 400-E-12 • GAS TURBINE

- ☐ 400-E-13 • INTERNAL COMBUSTION EQUIPMENT
- ☐ 400-E-14 • OPEN PROCESS TANK
- ☐ 400-E-14a • OPEN PROCESS TANK; PROCESS LINE
- ☐ 400-E-15 • PRINTING EQUIPMENT
- ☐ 400-E-16 • SOLID MATERIALS STORAGE EQUIPMENT
- ☐ 400-E-17 • SPRAY BOOTH/OPEN SPRAY
- ☐ 400-E-17a • POWDER SPRAY BOOTH
- ☐ 400-E-18 • STORAGE TANK (LIQUID & GASEOUS MATERIAL)
- ☐ 400-E-19 • WAVE SOLDER MACHINE
- ☐ 400-E-20 • ASBESTOS REMOVAL EQUIPMENT
- ☐ NONE • ADDITIONAL INFORMATION SUBMITTED AS REQUESTED ON FORM 400-E-GI

☒ APPLICATION FOR TITLE V FACILITY PERMIT. PROVIDE INFORMATION REQUESTED ON REVERSE SIDE OF THIS FORM.

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM:

N/A - Title V Application Per discussion with the SCAQMD when completing Form 400-A for our sister facility, the Wilmington Hydrogen Plant, we are not completing this certification. Refer to the Form 500-A2 certification.

TITLE OF RESPONSIBLE OFFICIAL OF FIRM:

Per discussion with the SCAQMD when completing Form 400-A for our sister facility, the Wilmington Hydrogen Plant, we are not completing this certification. Refer to the Form 500-A2 certification.

TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM:

RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER

DATE SIGNED:

I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT.

SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:

N/A - Title V Application Per discussion with the SCAQMD when completing Form 400-A for our sister facility, the Wilmington Hydrogen Plant, we are not completing this certification. Refer to the Form 500-A2 certification.

TITLE OF RESPONSIBLE OFFICIAL OF FIRM:

Per discussion with the SCAQMD when completing Form 400-A for our sister facility, the Wilmington Hydrogen Plant, we are not completing this certification. Refer to the Form 500-A2 certification.

TYPE OR PRINT NAME OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM:

PREPARER'S TELEPHONE NUMBER

DATE SIGNED:

TITLE V FACILITIES ONLY: COMPLETE OTHER SIDE

AQMD
USE
ONLY

APPLICATION/ TRACKING #

401782

TYPE

B C D

EQUIPMENT CATEGORY CODE:

555 004

FEE SCHEDULE:

\$

VALIDATION

12/16/02

ENG. (A) R

DATE 1/16/02

ENG. R

DATE 2/15/02

CLASS

I III IV

ASSIGNMENT

UNIT C

ENGINEER

ENF

SECT.

CHECK/MONEY ORDER

#

AMOUNT

\$

Your Order is sent.

Customer Information

Customer Name : SCAQMD/ENGINEERING & COMPLIANCE
Address : 21865 COPLEY DR 5TH FLR
City : DIAMOND BAR
State - Zip : CA - 917654178

Master Id : 59938
Phone : 9093962825
Fax : 9093963341

Product Information

Legal GOVERNMENT - GOVT PUBLIC NOTICE

Order Information

Attention Name : Catherine Rodriguez
Ad Description : Air Products and Chemicals Inc. Title V Public Notice
Special Instructions : Please publish the attached Title V Notice, once on Thursday, May 22, 2008. Please mail proof of the publication, two sets of the notice as published, and the invoice to: South Coast Air Quality Mgmt. Dist., Attn: Catherine Rodriguez, 21865 Copley Drive, Diamond Bar, CA 91765. If you have any questions please call me at 909-396-2735. Thank you.

Billing Reference No. : -

Sale/Hrg/Bid Date : -

Orders Created

Order No.	Newspaper Name	Publishing Dates
1346616	DAILY NEWS LOS ANGELES, CA	05/22/2008

Ad

The Ad exists as an uploaded file.

**NOTICE OF PROPOSED
TITLE V PERMIT**

The South Coast Air Quality Management District (AQMD) is hereby giving notice of its intent to issue the initial Title V permit pursuant to Title V of the federal Clean Air Act for the following existing facility:

Facility location and contact person

Air Products and Chemicals, Inc.

23300 S. Alameda St.
Carson, California 90810
Facility ID# 3417

Contact Person:

Jim Reebe
Environmental Specialist

This is an existing facility involved in the production of hydrogen for sale to local refineries. Pursuant to Title V of the federal Clean Air Act, AQMD is proposing to reissue existing permits for this hydrogen plant in the form of Title V permit. The Title V permit will contain all of the emissions limits and operating conditions contained in the previous permits and may require additional monitoring. The new Title V permit may also require additional recordkeeping, mandatory reporting of any violations of permit conditions, and annual certification by the permittee that the facility is in compliance with the new permit. The permit will be enforceable by the AQMD, the federal government, and citizens.

The proposed permit is available for public review at AQMD, 21865 Copley Dr., Diamond Bar, CA, and at the Los Angeles City Public Library, 1300 N. Avalon Blvd., Wilmington, CA 90744.

Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, please call Andrew Chew at (909) 396-2493. Written comments should be submitted to Jay Chen, AQMD Senior Manager, 21865 Copley Dr., Diamond Bar, CA, 91765-4182. Comments must be received by 5:00 p.m., Tuesday, June 24, 2008. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD Rules and Regulations.

The public may request AQMD to conduct a public hearing on the proposed permits by submitting a Hearing Request Form (Form 500-G) to Jay Chen at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or is not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permit. Public hearing request forms and the schedule of public hearings may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the internet at <http://www.aqmd.gov/titlev/notices.html>. Requests for public hearings are due by 5:00 p.m., Friday, June 6, 2008. A copy of the hearing request must also be sent by first class mail to the appropriate facility contact person listed above.

Your Order is sent.

Customer Information

Customer Name : SCAQMD/ENGINEERING & COMPLIANCE
Address : 21865 COPLEY DR 5TH FLR
City : DIAMOND BAR
State - Zip : CA - 917654178

Master Id : 59938
Phone : 9093962825
Fax : 9093963341

Product Information

Legal GOVERNMENT - GOVT PUBLIC NOTICE

Order Information

Attention Name : Catherine Rodriguez
Ad Description : Air Products and Chemicals Inc -Title V Public Notice (Spanish Version)
Special Instructions : Please publish the attached Title V Notice, once on Thursday, May 22, 2008. Please mail proof of the publication, two sets of the notice as published, and the invoice to: South Coast Air Quality Mgmt. Dist. Attn: Catherine Rodriguez 21865 Copley Dr. Diamond Bar, CA 91765. If you have any questions please call 909-396-2735. Thank you.

Billing Reference No. : -

Sale/Hrg/Bid Date : -

Orders Created

Order No.	Newspaper Name	Publishing Dates
1346647	LA OPINION, CA	05/22/2008

Ad

The Ad exists as an uploaded file.

**AVISO DE INTENTO
PARA OTORGAR UN PERMISO PROPUESTO DEL TÍTULO V**

El Distrito Administrativo de la Calidad del Aire de la Costa Sur (AQMD, siglas en inglés) esta dando por este medio el aviso de su intento de otorgar el permiso inicial del Título V conforme con el Título V del Acta Federal Del Aire Limpio para la instalación existente siguiente:

Localidad de la instalación y persona de contacto

Air Products and Chemicals, Inc.

23300 S. Alameda St.
Carson, California 90810
Facility ID# 3417

Persona de Contacto:

Jim Reebe
Environmental Specialist

Este es una instalación existente comprometido en la producción de hidrógeno para la venta a refinerías locales. De acuerdo con el Título V del Acta Federal del Aire Limpio, El AQMD propone otorgar de nuevo los permisos existentes para esta compañía en la forma de un permiso Título V. El permiso Título V contendrá todos los límites de emisión y condiciones de funcionamiento contenidas en los permisos anteriores y puede requerir la escucha adicional. El permiso nuevo Título V incluirá requisitos adicionales para controlar, reportar y de mantenimiento de registros (incluso el reportaje obligatorio de cualquier violación de condiciones del permiso y certificaciones anuales por el funcionario responsable indicando que la compañía esta funcionando conforme a los términos y condiciones del permiso). El permiso será ejecutable por El AQMD, el gobierno federal, y ciudadanos

El permiso propuesto del Título V estará disponible al público para repaso en la oficina principal del AQMD, 21865 Copley Dr., Diamond Bar, CA, y en la Biblioteca Pública de la Ciudad de Los Angeles, 1300 N. Avalon Blvd., Wilmington, CA 90744.

Información acerca del historial de cumplimiento del dueño de la compañía sometida al AQMD de acuerdo con referencia a la Sección 42336 del Código de Salud y Seguridad de California, o sabido de otra manera al AQMD, es basada en información creíble, está disponible en el AQMD para repaso público. Para más información o examinar documentos de apoyo adicionales, por favor llame Andrew Chew en (909) 396-2493. Comentarios en escrito deben de ser presentados a Jay Chen, AQMD Senior Manager, 21865 Copley Dr., Diamond Bar, CA, 91765-4182. Los comentarios deben ser recibidos antes de la hora 5:00 p.m., Martes, 24 de Junio de 2008. El AQMD considerará todos los comentarios públicos y puede revisar el permiso del Título V de acuerdo con las Reglas y Regulaciones del AQMD.

El público puede solicitar que el AQMD conduzca una audiencia pública sobre el permiso Título V propuesto presentando una Forma de Petición de Audiencia (Forma 500G) a Jay Chen en la dirección del AQMD arriba. El AQMD sostendrá a el público que oye si hay pruebas que el propuesto el permiso no es correcto o no es adecuado de asegurar conformidad con exigencias reguladoras, y a la audiencia proporcionará probablemente la información adicional esto afectará redactar y/o la emisión de el permiso. La petición de audiencia pública se forma y el la lista de audiencias públicas puede ser obtenida del AQMD llamando el Título V línea directa en (909) 396-3013, o del Internet en <http://www.aqmd.gov/titlev/notices.html>. Peticiones de las audiencias públicas son debidas hacia las 5:00 p.m., Viernes, 6 de Junio de 2008. Una copia de la petición que oye también debe ser enviado por el primer correo de clase al apropiado persona de contacto de instalación indicada.

Andrew Chew

From: reebeljc airproducts.com
Sent: Friday, May 09, 2008 2:38 PM
To: Andrew Chew
Subject: RE: Exempt Equipment - Carson Plant

Andrew, see answers below. Thanks!

Jim

P.S. I also have all the VOC testing results and am combining them together per Scott Wilson's request into a single report with an explanation summary.

-----Original Message-----

From: Andrew Chew [mailto:achew@aqmd.gov]
Sent: Thursday, May 08, 2008 2:54 PM
To: Reebel,James C.
Subject: Exempt Equipment - Carson Plant

Jim,

Please confirm the following 4 items and let me know:

1) Air conditioning units are exempt under Rule 219(d)(1);

Correct.

2) Cleaning/Degreasing equipment and materials are exempt under R219(o)(3), (o)(1)(A)(ii), or (o)(1)(B)(ii);

I'd say (o)(3).

3) Architectural coating equipment and materials are exempt under R219(l)(6)(A); and

That could make sense or what about (l)(9) or (l)(10)?

4) Internal combustion engines powering welders are exempt under R219(b)(1).

Correct.

Thanks again.

Andrew Chew
Air Quality Engineer
Refineries, E&C
x2493
achew@aqmd.gov

5/16/2008

Andrew Chew

From: reebeljc@airproducts.com
Sent: Thursday, May 08, 2008 12:20 PM
To: Andrew Chew
Subject: Info for Carson Title V

Hey Andrew I have attached the MSDS for the parts cleaning solution (VOC info under section 12 I believe) and some of the pages from the Rule 1189 report. I looked at the welding station and it is a diesel engine rated at 16 hp with an approximate 10 to 15 gallon diesel fuel tank. Our mechanic said we typically keep 1 to 2 drums of diesel fuel in our oil shed that we would use to fill the tank as needed. Let me know if you need anything else for these three things, thanks!

<<AquaWorks MPC Cleaning Solution MSDS.pdf>> <<Sheets from Carson Rule 1189 Testing.PDF>>

Jim Reebel
Environmental Specialist
Air Products and Chemicals, Inc.
Los Angeles Area

Office: (310) 847-7300 x13
Fax: (310) 847-7311
Email: reebeljc@airproducts.com

Andrew Chew

From: reebeljc airproducts.com
Sent: Wednesday, April 02, 2008 9:49 AM
To: Andrew Chew
Subject: RE: Air Products Carson Compliance Source Testing Questions

Will do, see you then!

From: Andrew Chew [mailto:achew@aqmd.gov]
Sent: Wednesday, April 02, 2008 9:49 AM
To: Reebel,James C.
Subject: RE: Air Products Carson Compliance Source Testing Questions

Let's meet briefly after you and Tom have the flare meeting.

Andrew

-----Original Message-----

From: reebeljc airproducts.com
Sent: Wednesday, April 02, 2008 9:42 AM
To: Andrew Chew
Subject: RE: Air Products Carson Compliance Source Testing Questions

Hey Andrew, yes I will bring everything I have for the Carson Rule 1189 testing although I haven't put together into a report yet as we discussed. As far as what is X, short answer is 14.36 (as Hexane)...I will bring the sheet from the December 2006 source test report that shows the entire calculation that is done. Are you going to meet with Tom Lee and I or would you like to meet separately before 1 PM or after Tom and I meet? Thanks!

Jim

From: Andrew Chew [mailto:achew@aqmd.gov]
Sent: Wednesday, April 02, 2008 8:32 AM
To: Reebel,James C.
Subject: RE: Air Products Carson Compliance Source Testing Questions

Jim,

Can you bring with you a copy of the 1189 source test report when you visit today with Tom Lee? Also, we had a conversation Thursday about the calculation for ROG mass emissions (lb/hr) based on a ppm test measurement. Is the following equation the one you've been using? If so, what is "X"?

For example, (10 ppm ROG) x (8,290,000 scf/hr) x (X lbs/lbs-mol) x (1 lb-mol/379.4 scf) x (1/10⁶) = lbs ROG/hr

Thanks again.

Andrew
909-396-2493

-----Original Message-----

From: reebeljc airproducts.com

Sent: Thursday, March 27, 2008 3:19 PM

To: Scott Wilson; Andrew Chew

Cc: reebeljc airproducts.com

Subject: Air Products Carson Compliance Source Testing Questions

Hey Andrew I spoke with Scott today and per his instructions we will submit the test results and data for the ROG test conducted in December and the retest in February along with the retest data for the testing being performed tomorrow so that a complete history will be available to Scott. Also, it appears that we have been using EPA Method 201A/202 to measure PM10 for the past several tests as required on our current permit. As far as total PM testing to gauge against Rule 404 numbers I do not think our permit requires us to test for total PM and even if we were required the limits in Rule 404 are so large they really don't come close to today's PM10 (as well as implied total PM...if we say PM10 is 90% of total PM) standards. I will be out of the office tomorrow but I will give you a ring on Tuesday to discuss more if needed, thanks!

Jim Reebel

Environmental Specialist

Air Products and Chemicals, Inc.

Los Angeles Area

Office: (310) 847-7300 x13

Fax: (310) 847-7311

Email: reebeljc@airproducts.com

Andrew Chew

From: reebeljc airproducts.com
Sent: Monday, February 04, 2008 6:22 PM
To: Andrew Chew
Cc: Daugherty, Tamara L.
Subject: RE: Permit Apps for Air Products Carson

Thanks Andrew for getting back to me so quickly! That is good news that I don't need to fill out all those forms and get fees for those apps! As far as the compressors let me tell you what we have and then I will let you decide what you want to do. C200A/B (D6) are two separate feed compressors (A and B...as is for each compressor) and there is only one stage of decompression for feed. C251A/B (D25) are the first stage of product compression for compressor C250A/B (two separate product compressors) and C252A/B (D27) are the second stage of product compression for compressor C250A/B. I would refer you to the attached sketch and keep in mind that there is both an A and a B set. If you need clarification on the physicality of whether the first and second stage compressors of C250A/B are separate equipment as well if C200 and C250 are a single equipment I would ask you to contact our site supervisor Tammy Daugherty and discuss with her. Thanks!

Jim

From: Andrew Chew [mailto:achew@aqmd.gov]
Sent: Friday, February 01, 2008 5:09 PM
To: Reebel, James C.
Cc: Bhaskar Chandan
Subject: RE: Permit Apps for Air Products Carson

Hi Jim,

I've reviewed the process flow diagrams that have been submitted with the P/C Application (No. 337978) in 1998, and they included the following equipment: V-108 (steam drum), E-251A/B (heat exchangers), E-252A/B (heat exchangers), and F-250A/B (filters). (Please see also the copy of an e-mail dated 11/6/07 below.) However, because they do not appear in the RECLAIM facility permit, I will have to make the necessary changes to reflect this situation. Because I will take the responsibility to make those changes when I convert the P/C to P/O at a later time, Air Products does not have to submit any application forms or fees for this set of changes.

On a similar note, I will take the responsibility to make the necessary changes to remove Compressors (C-251A/B and C-252A/B) from the RECLAIM facility permit at a later time since they do not exist at the facility. However, I'd like you to confirm with me again whether these four compressors exist at the facility. Thanks for your help. If they don't exist, then Air Products does not have to submit any application form or fee for this change either.

Please feel free to call or e-mail me if you have any questions. Thanks again.

Andrew

-----Original Message-----

From: reebeljc airproducts.com
Sent: Thursday, January 31, 2008 8:02 AM
To: Andrew Chew
Cc: reebeljc airproducts.com
Subject: Permit Apps for Air Products Carson
Importance: High

5/16/2008

OK Andy, I just want to make sure we are on the same page for the applications for Carson so I can go ahead and request a check ASAP.

- The equipment to be added to the RECLAIM permit is V-108 (steam drum), E-251A/B (heat exchangers), E-252A/B (heat exchangers), and F-250A/B (filters).
- Do we need four sets of forms and fees for the four additions or all under one set?
- Do we need to include 400-CEQA form(s)?
- Do we need to include 400-XPP form(s) and fee(s) to get these into the RECLAIM permit ASAP?
- Other than the forms and fees, do you just need a cover letter listing the four additions and the information that is present currently under the equipment description on our permit for similar equipment?

Thanks Andy and if you could let me know ASAP it would be appreciated as I need to request the check for the fee(s) from our headquarters!

Jim Reebe
Environmental Specialist
Air Products and Chemicals, Inc.
Los Angeles Area

Office: (310) 847-7300 x13
Fax: (310) 847-7311
Email: reebeljc@airproducts.com

-----Original Message-----

From: reebeljc airproducts.com
Sent: Tuesday, November 06, 2007 2:15 PM
To: Andrew Chew
Cc: reebeljc airproducts.com; B., Creitz, Jennifer
Subject: RE: Air Products Carson: Field Evaluation Follow-up

Hey Andrew, just wanted to let you know that I am back in town and will be going over items 1 through 3 with Jenny Creitz over the next few days to get you answers as well as a better PFD. I received the Carson Title V draft and have begun reviewing it, thanks for sending.

I heard back from Son Bui of AirKinetics that the Wilmington reformer VOC testing that was performed on 10/11 produced results that were within our permit limits and he is preparing an addendum to the report that had been sent to you in September. Will forward to you once I receive.

For the Wilmington cooling tower, our project folks are in the process of preparing a firm project scope/estimate (like a +/- 10% cost number) for the stripper option so that our accounting department can properly review and weigh between the two options. Haven't received anything back from the City of LA yet on the sewer capacity availability report that we commissioned...should be done soon, will check with them this week. I am thinking that next week I should have a good timeline to supply you with for when we expect the pieces to come together for our accounting

to review the options and make a choice from an Air Products' perspective.

Thanks Andy!

Jim

-----Original Message-----

From: Andrew Chew [mailto:achew@aqmd.gov]
Sent: Wednesday, October 17, 2007 11:15 AM
To: Reebel, James C.
Cc: Bhaskar Chandan
Subject: Air Products Carson: Field Evaluation Follow-up

Hi Jim,

Hope you're doing well. In brief, the list below points out the things we need to follow-up:

- 1) Boiler makeup feedwater/steam drum (V-108) does not appear in the permit. Were you able to find out why it was not in the permit and can you submit a modification application to add the equipment into the permit if the stream comes into contact one way or another with the process condensates in the deaerator (V-114, D24)?
- 2) Also, were you able to determine whether the contents inside Intermittent Blowdown Drum V-129 would carry zero process condensates originating from the deaerator (V-114, D24)? I'm asking because process condensates from deaerator mixes with the Reverse Osmosis water before entering into the heat exchanger and subsequently to Blowdown Drum V-129 (D23) and venting to the atmosphere.
- 3) Four heat exchangers (Exchangers 251A/B and 252A/B) operating at the facility do not appear in the permit. Also, four compressors identified as 251A/B and 252A/B in the permit do not exist at the facility. I looked into the application Air Products submitted in March 1998, and the process flow diagrams showed both sets of compressors and heat exchangers. To remedy the inconsistencies, can you submit one "modification" application with supporting information to us to remove the four compressors and to add the four exchangers? Based on my understanding, you can combine the items above into one modification application for our review.
- 4) Also, steam turbine (C-105) does not need a permit when it is operating entirely on steam and uses no fuel gases.

As a friendly reminder, can you submit the following information for our review?

- 1) Copy of the facility's records per permit condition K67.1 that span over a period of six months (records for one event per month would suffice); and
- 2) Copy of a simplified process flow diagram that identifies the equipment with its proper label/name.

Thanks again.

Andrew Chew, P.E.

5/16/2008

Air Quality Engineer

Refinery & Waste Management Permitting Unit Engineering & Compliance

South Coast Air Quality Management District

21865 Copley Drive

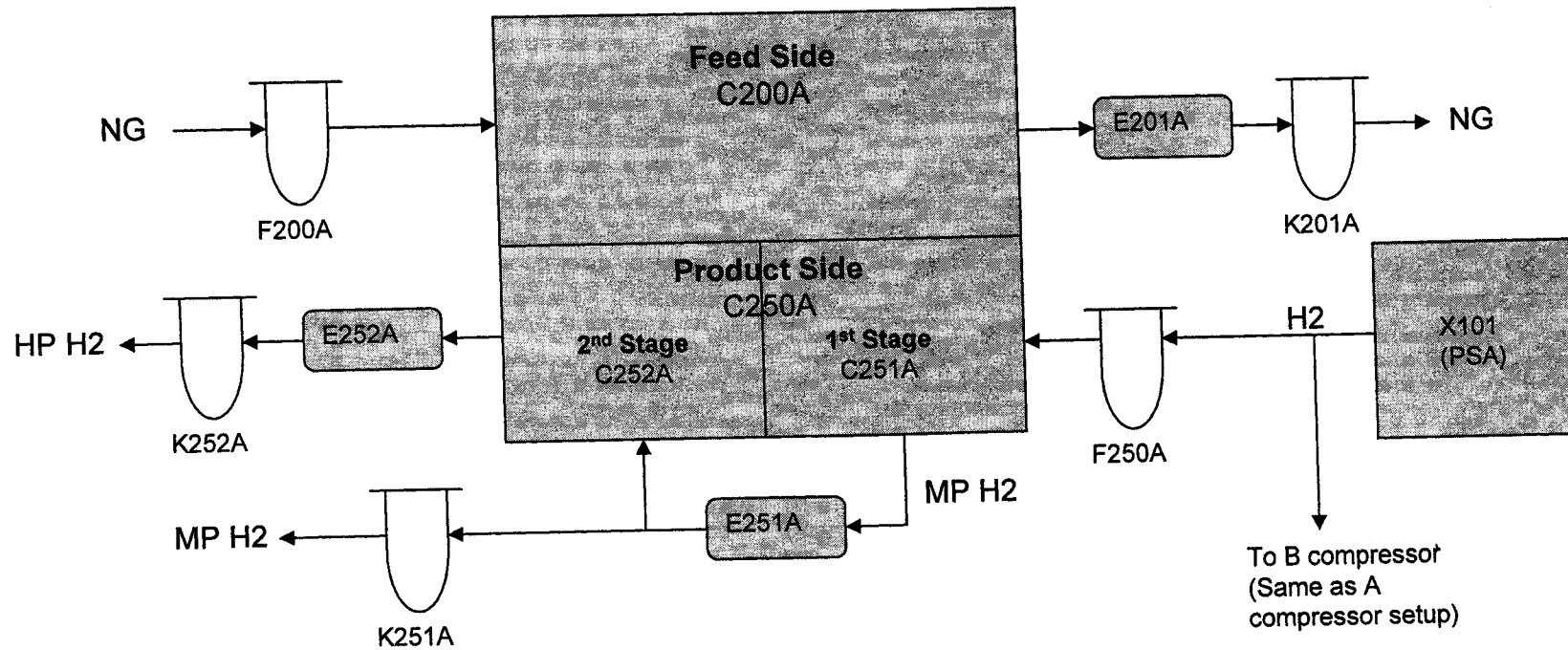
Diamond Bar, CA 91765

Phone: 909-396-2493

Fax: 909-396-3341

email: achew@aqmd.gov

Air Products Carson (Facility ID: 3417)
'A' Compressor Setup



Andrew Chew

From: reebeljc airproducts.com
Sent: Friday, February 01, 2008 4:12 PM
To: Andrew Chew
Subject: Air Products Update

Hey Andy, got your voice message and thanks for following up on those permitting questions. I will be tied up in jury duty still at least through Weds next week and then I am flying up to San Fran Wednesday night and going to CUPA conference on Thursday and going on some tours of our plants up north on Friday. I will likely be in jury duty again until Tues I am betting and then I should be back all the time. I am still working with our process engineer to fine tune the numbers for the test results and ensure they are correct as some variables are based on simulations/designs. From what I've done so far, I can tell you right now that the total Rule 1189 VOC emissions (V-129 vent and bottoms) look like they should be in the neighborhood of 0.5 lbs/MMSCF H2. I will be working when I can over the next few weeks to get a final number from our engineer and the protocol should be done as well but I am thinking that the latest I would get the final result and protocol to you and Scott should be 2/14. I apologize for the delays, this jury duty thing has made me crazy busy. Thanks!

P.S. If you need anything please email me as I will check for sure everyday, thanks!

Jim Reebel
Environmental Specialist
Air Products and Chemicals, Inc.
Los Angeles Area

Office: (310) 847-7300 x13
Fax: (310) 847-7311
Email: reebeljc@airproducts.com

Andrew Chew

From: Bhaskar Chandan
Sent: Thursday, December 06, 2007 11:23 AM
To: Andrew Chew
Subject: RE: STE reply-Air Products Carson Reformer Compliance Testing Question

We should talk with Tran on this. I believe that we have allowed some flexibility in the past for the annual tests.

-----Original Message-----

From: Andrew Chew
Sent: Thursday, December 06, 2007 11:14 AM
To: Bhaskar Chandan
Subject: FW: STE reply-Air Products Carson Reformer Compliance Testing Question

Bhaskar,

The last time Air Products Carson did their test (for the process heater) was December 13, 2006. However, Permit Condition D182.1 says, "The test shall be conducted at least annually." Does this mean that they get an NTC if we go with Jim's proposal for a February 2008 test?

Andrew

-----Original Message-----

From: Scott Wilson
Sent: Thursday, December 06, 2007 11:03 AM
To: reebeljc airproducts.com
Cc: Andrew Chew
Subject: STE reply-Air Products Carson Reformer Compliance Testing Question

Jim,

I concur with your reasoning on the requested postponement, however it is Andrew's call to make the official AQMD approval for shifting the annual compliance testing to a date that will allow for "representative operating conditions". Andrew ... do you agree with the requested postponement too?

SWIL

-----Original Message-----

From: reebeljc airproducts.com
Sent: Thursday, December 06, 2007 10:52 AM
To: Scott Wilson
Subject: Air Products Carson Reformer Compliance Testing Question
Importance: High

Hey Scott, question for you and I believe we have done this in the past but I just wanted to verify with you. For our annual reformer source test that is typically done in the month of December. We are having problems with a heat exchanger at our plant which prevents us from running at high production and firing rates. We will be shutting the plant down in January for a week or so to make the necessary repairs and

12/6/2007

should be back to normal in February. Because of all this we will not be able to meet the "80% of the permitted maximum capacity" until after the repairs are made. **Just wanted to verify that to get an accurate estimate of our reformer emissions (per the 80% requirement) it would be better to postpone the test for a few months and perform when rates are high then just do now at low rates?** I think this had been done before when a test was postponed to April of 2005 due to low rates but I just wanted to confirm that it's better to wait for 80% and be over a year since last test then do it now at low % and be within a year...thanks for your input!

Jim Reebel
Environmental Specialist
Air Products and Chemicals, Inc.
Los Angeles Area

Office: (310) 847-7300 x13
Fax: (310) 847-7311
Email: reebeljc@airproducts.com

Andrew Chew

From: reebeljc@airproducts.com
Sent: Monday, December 03, 2007 2:41 PM
To: Andrew Chew
Subject: Info for Air Products Carson

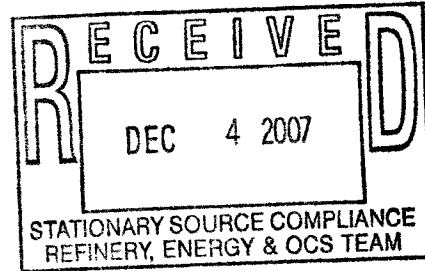
Hey Andrew, here are some recent source test results I owed you for Carson's reformer. Still owe you applications for those equipment and an accurate PFD w/ equipment ID numbers. I think we need to reschedule that conference call for Weds, having some trouble on my end with people's schedules. I'll give you a ring tomorrow (Tues), thanks!

<<Air Products Carson Recent Source Test Results.PDF>>

Jim Reebel
Environmental Specialist
Air Products and Chemicals, Inc.
Los Angeles Area

Office: (310) 847-7300 x13
Fax: (310) 847-7311
Email: reebeljc@airproducts.com

Air Products and Chemicals, Inc.
23300 S. Alameda St.
Carson, CA 90810
Telephone (310) 847-7300



27 November 2007

Mr. Andrew Chew
Air Quality Engineer
South Coast Air Quality Management District
Refinery and Waste Management Permitting
21895 Copley Drive
Diamond Bar, CA 91765-4182

**Subject: Air Products and Chemicals, Inc, Carson CA Hydrogen Plant (Facility ID# 3417)
Comments on Draft Title V Permit**

Mr. Chew:

I am responding on behalf of Air Products and Chemicals, Inc. (Air Products) to your request for comments on the final draft of the Title V permit for the Carson Facility dated October 25, 2007. Comments and changes requested are as follows:

Section A: Facility Information

- Please change mailing address to the same address as equipment location.
- Please change responsible official to Janice Zogelmann, Plant Manager, (310) 952-9172 x15.
- Please change contact person to Jim Reebe, Environmental Specialist, (310) 847-7300 x13.

Section H: Permit to Construct and Temporary Permit to Operate

- **S2.1 and S13.1** – Due to the questions that were brought up in our meeting on November 21, 2007 regarding the applicability of Rule 1189, how it would be implemented and enforced, and for what equipment, Air Products is requesting that conditions S2.1 and S13.1 be more closely examined prior to inclusion on the Title V permit. Based on our meeting and phone conversation your intent is not to require annual testing beyond initial testing of the intermittent blowdown drum vent to verify VOC emissions less than 2.5 lbs per mmscf hydrogen produced. However, annual testing is specifically laid out in Rule 1189(e)(1). Even though there is a statement of “as applicable”, it is not clear as to what the statement is referring to and could result in potential violations for our facility in the future if a clear understanding of our facility’s requirements pertaining to conditions regarding Rule 1189 is not conveyed on our permit.

Even before the conditions are made clearer, Air Products would request that it is verified that water in the intermittent blowdown drum, water which we believe theoretically contains VOCs in the single-digit ppm range, would generate significant enough VOC emissions from the atmospheric vent to even fall under Rule 1189 requirements. We would consider this atmospheric vent a steam vent. The significantly low VOC concentration of the water in the intermittent blowdown drum seems as low as the TOC content could be for acceptable drinking (potable) water

- **A63.1** – Please remove the phrase “and fuel usage as determined by a RECLAIM certified fuel meter during the day of the test (0000-2400 hours).” Our approved protocol for source testing does not require us to perform any RELCAIM certified fuel measurements during our test and we do not utilize any RECLAIM certified fuel meters for our CEMS when determining daily mass emissions of nitrogen oxides.
- **A99.1 and E57.2** – In our meeting on November 21, 2007, we also discussed the appropriate language to use for special instances when the facility’s 5 ppm NOx emission limit (3-hr average) would not apply. I indicated that I believe shutdown should be included as well as startup as a special instance. I also requested that there not be a 48 hour time limit on any special instance as a whole since the real time issue revolves around the time until the SCR reaches 570 °F and ammonia injection can take place. It is my understanding that we both identified this as an important issue for the permit and that I would arrange a conference call as soon as possible with yourself and both of our colleagues to determine the appropriate language for conditions A99.1 and E57.2 and how to relate the two in a clearer manner. Air Products requests that these conditions not be finalized until they are discussed by both parties and an understanding of the appropriate language is achieved.
- **E57.1 and Device D24 Description** – Please add “tunnels of the” before “fire-box” (E57.1) and add “TUNNELS” after “FIREBOX” (D24 Description) if possible.
- **E336.1** – Should be “that such discharges do **not** endanger”.

Appendix B: Rule Emission Limits

- Please confirm that this Rule 404 statement is a standard inclusion in Title V permits. If it is to be included, I would ask you to please explain how compliance with Appendix B is required to be determined by our facility prior to finalization of the Title V permit.

Thank you for taking time last week to meet with me and go over our concerns with several items on the draft Title V permit. I am submitting these comments with the understanding that we will work together as quickly as possible to clear up the issues relating to Rule 1189 and the facility NOx concentration limit prior to this Title V permit being finalized and submitted to the EPA. I have also included an updated Form 500-C1 as well as Form 500-A2 signed by our plant manager. Please feel free to contact me at (310) 847-7300 if you have any questions. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Reebe", written over the word "Sincerely,".

Jim Reebe
Environmental Specialist

Enclosures

File: CA/Carson/AQMD/Title V

c: Janice Zogelmann, Plant Manager
Tammy Daugherty, Site Supervisor
Luong Tran, Process Engineer
Jenny Creitz, Corporate Environmental



South Coast Air Quality Management District

Form 500-A2

TITLE V Application Certification

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765

Tel: (909) 396-3385

www.aqmd.gov

Section I - Facility Information

1. Permit to be issued to (Business name of operator to appear on permit):

AIR PROD & CHEM INC

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD):

3417

3. This Certification is submitted with a (Check one):

a. ☒ Title V Application (Initial, Revision or Renewal)

b. ☐ Supplement/Correction to a Title V Application

c. ☐ MACT Part 2

4. Is Form 500-C2 included with this Certification?

☐ Yes ☒ No

Section II - Responsible Official Certification Statement

I certify under penalty of law that I am the responsible official for this facility as defined in AQMD Regulation XXX and that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attached application forms and other materials are true, accurate, and complete.

Read each statement carefully and check each that applies - You must check 3a or 3b.

1. For Initial, Permit Renewal, and Administrative Application Certifications:

a. ☒ The facility, including equipment that are exempt from written permit per Rule 219, is currently operating and will continue to operate in compliance with all applicable requirement(s) identified in Section II and Section III of Form 500-C1,

i. ☐ except for those requirements that do not specifically pertain to such devices or equipment and that have been identified as "Remove" on Section III of Form 500-C1.

ii. ☐ except for those devices or equipment that have been identified on the completed and attached Form 500-C2 that will not be operating in compliance with the specified applicable requirement(s).

b. ☐ The facility, including equipment that are exempt from written permit per Rule 219, will meet in a timely manner, all applicable requirements with future effective dates.

2. For Permit Revision Application Certifications:

a. ☐ The equipment or devices to which this permit revision applies, will in a timely manner comply with all applicable requirements identified in Section II and Section III of Form 500-C1.

3. For MACT Hammer Certifications:

a. ☐ The facility is subject to Section 112(j) of the Clean Air Act (Subpart B of 40 CFR part 63), also known as the MACT "hammer." The following information is submitted with a Title V application to comply with the Part 1 requirements of Section 112(j). (If Part 2 has not been submitted, you must submit 500-MACT Part 2 with this form.)

b. ☒ The facility is not subject to Section 112(j) of the Clean Air Act (Subpart B of 40 CFR part 63).

Janice Zogelmann

Signature of Responsible Official

Janice Zogelmann

Type or Print Name of Responsible Official

Plant Manager

Title of Responsible Official

11/27/07

Date

(310) 952-9172

Phone

(310) 952-9713

Fax

700 N. Henry Ford Ave.

Address of Responsible Official

Wilmington

City

CA

State

90744

Zip Code

Acid Rain Facilities Only: Turn page over & complete Section III

Acid Rain facilities must certify their compliance status of the devices subject to applicable requirements under Title IV by an individual who meets the definition of Designated (or Alternate) Representative in 40 CFR Part 72.

Section III - Designated Representative Certification Statement			
1. <i>For Acid Rain Facilities Only.</i> I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.			
Signature of Designated Representative or Alternate			Date
Type or Print Name of Designated Representative or Alternate			Phone
Title of Designated Representative or Alternate			Fax
Address of Designated Representative or Alternate		City	State Zip Code



**Title V
Form 500-C1**

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
Compliance Status Report**

To provide the compliance status of your facility with applicable federally enforceable requirements and identify other local-only requirements, complete this form and attach it to a completed compliance certification Form 500-A2. As appropriate, all submittals of Form 500-C2 as appropriate should also be attached to this form.

Section I - General Information

1. Facility Name: AIR PROD & CHEM INC

Facility ID (6-Digit): 3417

PROCEDURES FOR DETERMINING COMPLIANCE STATUS

1. **Equipment verification:** Review the list of pending applications, and either the preliminary Title V facility permit or the list of current permits to operate that the AQMD provided you, to determine if they completely and accurately describe all equipment operating at the facility. Attach a statement to describe any discrepancies.
2. **Identify applicable requirements*:** Use the checklist in Section II to identify all applicable and federally-enforceable local, state, and federal rules and regulations, test methods, and monitoring, recordkeeping and reporting (MRR) requirements that apply to any equipment or process (including equipment exempt from a permit by Rule 219) at your facility.
The potential applicable requirements, test methods and MRR requirements are identified and listed adjacent to each given equipment/process description. Check off each box adjacent to the corresponding requirement as it applies to your particular equipment/process.
Note: Even if there is only one piece of equipment that is subject to a particular requirement, the appropriate box should be checked.
3. **Identify additional applicable requirements*:** Use Section III to identify any additional requirements not found in Section II. Section II is not a complete list of all applicable requirements. It does not include recently adopted NESHAP regulations by EPA or recent amendments to AQMD rules. Do not add rules listed in Section V here.
4. **Identify any requirements that do not apply to a specific piece of equipment or process:** Also use Section III to identify any requirements that are listed in Section II but that do not apply to a specific piece of equipment or process. Fill out Section III of this form and attach a separate sheet to explain the reason(s) why the identified rules do not apply. Note: Listing any requirement that does not apply to a specific piece of equipment will not provide the facility with a permit shield unless one is specifically requested by completing Form 500-D and is approved by AQMD.
5. **Identify SIP-approved rules that are not current AQMD rules:** Use Section IV to identify older versions of current AQMD rules that are the EPA-approved versions in the State Implementation Plan (SIP), and that are still applicable requirements as defined by EPA. The facility is not required to certify compliance with the items checked in Section IV provided that the non-SIP approved rule in Section II is at least as stringent as the older SIP-approved version in Section IV. **
6. **Identify Local-Only Enforceable Regulatory Requirements:** Use Section V to identify AQMD rules that are not SIP-approved and are not federally enforceable.
7. **Determine compliance:** Determine if all equipment and processes are complying with all requirements identified in Sections II and III. If each piece of equipment complies with all applicable requirements, complete and attach Form 500-A2 to certify the compliance status of the facility. If any piece of equipment is not in compliance with any of the applicable requirements, complete and attach Form 500-C2 in addition to Form 500-A2.

* The following AQMD rules and regulations are not required to be included in Section II and do not have to be added to Section III: Regulation I, List and Criteria in Regulation II, Rule 201, Rule 201.1, Rule 202, Rule 203, Rule 205, Rule 206, Rule 207, Rule 208, Rule 209, Rule 210, Rule 212, Rule 214, Rule 215, Rule 216, Rule 217, Rule 219, Rule 220, Rule 221, Regulation III, Regulation V, Regulation VIII, Regulation XII, Regulation XV, Regulation XVI, Regulation XIX, Regulation XXI, Regulation XXII, and Regulation XXX.

** Emission units adversely affected by the gap between current and SIP-approved versions of rules may initially be placed in a non-Title V portion of the permit

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> All Air Pollution Control Equipment Using Combustion (RECLAIM & non-RECLAIM sources)	<input type="checkbox"/> Rule 480 (10/07/77)	N/A	N/A
<input type="checkbox"/> All Coating Operations	<input type="checkbox"/> Rule 442 (12/15/00)	<input type="checkbox"/> Rule 442(f)	<input type="checkbox"/> Rule 442(g)
<input type="checkbox"/> All Combustion Equipment, ≥ 555 Mmbtu/Hr (except for NO _x RECLAIM sources)	<input type="checkbox"/> Rule 474 (12/04/81)	<input type="checkbox"/> AQMD TM 7.1 or 100.1	
<input checked="" type="checkbox"/> All Combustion Equipment Except Internal Combustion Engines (RECLAIM & non-RECLAIM sources)	<input checked="" type="checkbox"/> Rule 407 (04/02/82) <input checked="" type="checkbox"/> Rule 409 (08/07/81)	<input checked="" type="checkbox"/> AQMD TM 100.1 or 10.1, 307-91 <input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input checked="" type="checkbox"/> All Combustion Equipment Using Gaseous Fuel (except SO _x RECLAIM sources)	<input checked="" type="checkbox"/> Rule 431.1 (06/12/98)	<input type="checkbox"/> Rule 431.1(f)	<input type="checkbox"/> Rule 431.1(d) & (e)
<input checked="" type="checkbox"/> All Combustion Equipment Using Liquid Fuel (except SO _x RECLAIM sources)	<input checked="" type="checkbox"/> Rule 431.2 (09/15/00)	<input type="checkbox"/> Rule 431.2(g)	<input type="checkbox"/> Rule 431.2(f)
<input type="checkbox"/> All Combustion Equipment Using Fossil Fuel (except SO _x RECLAIM sources)	<input type="checkbox"/> Rule 431.3 (05/07/76)		
<input checked="" type="checkbox"/> All Equipment	<input checked="" type="checkbox"/> Rule 401 (11/09/01) <input checked="" type="checkbox"/> Rule 405 (02/07/86) <input checked="" type="checkbox"/> Rule 408 (05/07/76) <input checked="" type="checkbox"/> Rule 430 (07/12/96) <input checked="" type="checkbox"/> Rule 701 (06/13/97) <input checked="" type="checkbox"/> New Source Review, BACT <input checked="" type="checkbox"/> Rule 1703 (10/07/88) <input checked="" type="checkbox"/> 40 CFR68 - Accidental Release Prevention	<input checked="" type="checkbox"/> California Air Resources Board Visible Emission Evaluation <input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 N/A See Applicable Subpart	<input checked="" type="checkbox"/> Rule 430(b) See Applicable Subpart
<input type="checkbox"/> All Equipment Processing Solid Materials	<input type="checkbox"/> Rule 403 (04/02/04)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f)
<input checked="" type="checkbox"/> All Equipment With Exhaust Stack (except cement kilns subject to Rule 1112.1)	<input checked="" type="checkbox"/> Rule 404 (02/07/86)	<input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input checked="" type="checkbox"/> All Facilities Using Solvents to Clean Various Items or Equipment	<input checked="" type="checkbox"/> Rule 109 (05/02/03) <input checked="" type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART T	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input checked="" type="checkbox"/> All RECLAIM Equipment (NO _x & SO _x)	<input checked="" type="checkbox"/> Reg. XX - RECLAIM	<input type="checkbox"/> Rule 2011, App. A (12/05/03) <input checked="" type="checkbox"/> Rule 2012, App. A (12/05/03)	<input type="checkbox"/> Rule 2011, App. A (12/05/03) <input checked="" type="checkbox"/> Rule 2012, App. A (12/05/03)
<input checked="" type="checkbox"/> Abrasive Blasting	<input checked="" type="checkbox"/> Rule 1140 (08/02/85)	<input checked="" type="checkbox"/> Rule 1140(d) & (e), AQMD Visible Emission Method	
<input type="checkbox"/> Aggregate and Related Operations	<input type="checkbox"/> Rule 1157 (01/07/05)	<input type="checkbox"/> Rule 1157(f)	<input type="checkbox"/> Rule 1157(e)
<input type="checkbox"/> Appliances Containing Ozone Depleting Substances (except Motor Vehicle Air Conditioners): Manufacturing, Repair, Maintenance, Service, & Disposal	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart

KEY ABBREVIATIONS:

Reg. = AQMD Regulation
Rule = AQMD Rule

App. = Appendix
AQMD TM = AQMD Test Method

CFR = Code of Federal Regulations
CCR = California Code of Regulations

AQMD Form
500-C1

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Asphalt	See Manufacturing, Asphalt Processing & Asphalt Roofing		
<input type="checkbox"/> Asphalt Concrete/Batch Plants	<input type="checkbox"/> 40 CFR60 SUBPART I	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Benzene Emissions, Maleic Anhydride Plants, Ethylbenzene/Styrene Plants, Benzene Storage Vessels, Benzene Equipment Leaks, & Coke By-Product Recovery Plants	<input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART Y <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1173(j) <input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1173(i) <input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Benzene Transfer Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR61 SUBPART BB <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(e) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Benzene Waste Operations	<input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR61 SUBPART FF <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions	<input type="checkbox"/> 40 CFR61 SUBPART C	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions, Rocket Motor Firing	<input type="checkbox"/> 40 CFR61 SUBPART D	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94) <input type="checkbox"/> Rule 1146.2 (01/07/05) <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 1146.1(d) N/A See Applicable Subpart	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3) N/A See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94) - excluding NOx requirements <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 1146.1(d) See Applicable Subpart	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3) See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input checked="" type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) - excluding NOx requirements <input checked="" type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements <input checked="" type="checkbox"/> Rule 2011 (12/05/03) or Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input checked="" type="checkbox"/> Rule 1146(d) <input checked="" type="checkbox"/> Rule 2011, App. A (12/05/03) or Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1146(c)(6) & (c)(7) <input checked="" type="checkbox"/> Rule 2011, App. A (12/05/03) or Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart

KEY ABBREVIATIONS:

Reg. = AQMD Regulation
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AQMD Form
500-C1

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Boiler, Petroleum Refining (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 431.1 (06/12/98) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 431.1(f) <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart	See Applicable Subpart <input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 431.1(d) & (e) <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boiler, Petroleum Refining (RECLAIM sources)	<input type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements <input type="checkbox"/> Rule 2011 (12/05/03) or Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 1146(d) <input type="checkbox"/> Rule 2011, App. A (12/05/03) or Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1146(c)(6) & (c)(7) <input type="checkbox"/> Rule 2011, App. A (12/05/03) or Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boilers, Electric Utility (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 1135 (07/19/91) <input type="checkbox"/> 40 CFR60 SUBPART Db <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 1135(e) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1135(e) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boilers, Electric Utility (RECLAIM sources)	<input type="checkbox"/> Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART Db <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Bulk Loading Of Organic Liquids	<input type="checkbox"/> Rule 462 (05/14/99) <input type="checkbox"/> 40 CFR60 SUBPART XX <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART EEEE <input type="checkbox"/> 40 CFR63 SUBPART GGGGG	<input type="checkbox"/> Rule 462(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 462(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Cadmium Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Calciner, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Calciner, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81) <input type="checkbox"/> Rule 1119 (03/02/79) <input type="checkbox"/> 40 CFR63 SUBPART L	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 6.1 or 100.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Charbroilers	<input type="checkbox"/> Rule 1174 (10/05/90) <input type="checkbox"/> Rule 1138 (11/14/97)	<input type="checkbox"/> AQMD Test Protocol <input type="checkbox"/> Rule 1138(g)	<input type="checkbox"/> Rule 1138(d)
<input type="checkbox"/> Chrome Plating & Chromic Acid Anodizing Operation	<input type="checkbox"/> Rule 1426 (05/02/03) <input type="checkbox"/> Rule 1469 (05/02/03)	<input type="checkbox"/> Rule 1469(e)	<input type="checkbox"/> Rule 1426(e) <input type="checkbox"/> Rule 1469(g), (j) & (k)
<input type="checkbox"/> Coating Operation, Adhesive Application Operation	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1168 (01/07/05)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1168(f) & (g)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1168(e)

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<input type="checkbox"/> Coating Operation, Aerospace Assembly & Component Manufacturing	<input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART RR <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1124 (09/21/01) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART GG	<input type="checkbox"/> Rule 1171(f) See Applicable Subpart <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1124(e) & (f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart <input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1124(j) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Graphic Arts (Gravure, Letter Press, Flexographic & Lithographic Printing Process, Etc.)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130 (10/08/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART QQ <input type="checkbox"/> 40 CFR60 SUBPART RR <input type="checkbox"/> 40 CFR60 SUBPART FFF <input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> 40 CFR63 SUBPART KK <input type="checkbox"/> 40 CFR63 SUBPART JJJ	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1130(h) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1130(e) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Magnet Wire Coating	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1126 (01/13/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1126(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1126(c)(4) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Marine Coating (Except for recreational equipment)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106 (01/13/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1106(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1106(c)(5) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Coating	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1107 (11/09/01) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART EE <input type="checkbox"/> 40 CFR60 SUBPART SS <input type="checkbox"/> 40 CFR63 SUBPART NNNN <input type="checkbox"/> 40 CFR63 SUBPART MMMM <input type="checkbox"/> 40 CFR63 SUBPART RRRR	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1107(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1107(k) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Containers, Closure, & Coil Coating Operations	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1125 (01/13/95)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1125(e)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1125(c)(6)

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART TT <input type="checkbox"/> 40 CFR60 SUBPART WW <input type="checkbox"/> 40 CFR63 SUBPART SSSS	<input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Motor Vehicle & Mobile Equipment Non-Assembly Line Coating Operation	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1151 (12/11/98) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1151(g) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1151(f) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Motor Vehicle Assembly Line	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1115 (05/12/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART MM <input type="checkbox"/> 40 CFR63 SUBPART IIII	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1115(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1115(g) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Paper, Fabric, & Film Coating Operations	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1128 (03/08/96) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> 40 CFR63 SUBPART OOOO	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1128(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1128(e) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Plastic, Rubber, & Glass	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1145 (12/03/04) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART TTT <input type="checkbox"/> 40 CFR63 SUBPART NNNN <input type="checkbox"/> 40 CFR63 SUBPART PPPP	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1145(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1145(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Pleasure Craft	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106.1 (02/12/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1106.1(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1106.1(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Screen Printing	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130.1 (12/13/96) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1130.1(g) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1130.1(c)(5) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input checked="" type="checkbox"/> Coating Operation, Use Of Architectural Coating (Stationary Structures)	<input type="checkbox"/> 40 CFR63 SUBPART KK <input checked="" type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input checked="" type="checkbox"/> Rule 1113 (07/09/04) <input type="checkbox"/> Rule 1132 (05/07/04) <input checked="" type="checkbox"/> Rule 1171 (11/07/03)	See Applicable Subpart <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input checked="" type="checkbox"/> Rule 1113(e) <input type="checkbox"/> Rule 1132(f) <input checked="" type="checkbox"/> Rule 1171(f)	See Applicable Subpart <input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input checked="" type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Wood Flat Stock	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1104 (08/13/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1104(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1104(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Wood Products (Commercial Furniture, Cabinets, Shutters, Frames, Toys)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1136 (06/14/96) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART JJ	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1136(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1136(d) & (g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coater	See Coating Operations		
<input type="checkbox"/> Columns	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Composting Operation	<input type="checkbox"/> Rule 1133 (01/10/03) <input type="checkbox"/> Rule 1133.1 (01/10/03) <input type="checkbox"/> Rule 1133.2 (01/10/03)	<input type="checkbox"/> Rule 1133.1(e) <input type="checkbox"/> Rule 1133.2(g)	<input type="checkbox"/> Rule 1133.1(d) <input type="checkbox"/> Rule 1133.2(h)
<input checked="" type="checkbox"/> Compressors	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Concrete Batch Plants	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Consumer Product Manufacturing	See Manufacturing, Consumer Product		
<input checked="" type="checkbox"/> Cooling Tower, Hexavalent Chromium	<input type="checkbox"/> 40 CFR63 SUBPART Q	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Copper Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Crude Oil Production	See Oil Well Operations		
<input type="checkbox"/> Crusher	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Dairy Farms and Related Operations	<input type="checkbox"/> Rule 1127	<input type="checkbox"/> Rule 1127(h)	<input type="checkbox"/> Rule 1127(g)
<input checked="" type="checkbox"/> Degreasers	<input checked="" type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1122 (10/01/04) <input checked="" type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART T	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1122(h) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1122(i) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Dry Cleaning, Perchloroethylene	<input type="checkbox"/> Rule 1421 (12/06/02)	<input type="checkbox"/> Rule 1421(e) & (i)	<input type="checkbox"/> Rule 1421(g) & (h)
<input type="checkbox"/> Dry Cleaning, Petroleum Solvent	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1102 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART JJJ	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1102(g) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1102(f) See Applicable Subpart
<input type="checkbox"/> Dryers, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Ethylene Oxide Sterilizer	See Sterilizer, Ethylene Oxide		
<input checked="" type="checkbox"/> Flanges	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		

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<input type="checkbox"/> Fluid Catalytic Cracking Unit	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1105 (09/01/84) <input type="checkbox"/> Rule 1105.1 (11/07/03)	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> Rule 1105(c)(1) <input type="checkbox"/> Rule 1105.1(f)	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 1105(c)(2) <input type="checkbox"/> Rule 1105.1(e)
<input type="checkbox"/> Foundries, Iron and Steel	<input type="checkbox"/> 40 CFR63 SUBPART EEEEE	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Friction Materials Manufacturing	See Manufacturing, Friction Materials		
<input type="checkbox"/> Fugitive Emissions, Benzene	<input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input checked="" type="checkbox"/> Fugitive Emissions, Chemical Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR60 SUBPART VV <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Natural Gas Processing Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule (12/06/02) <input type="checkbox"/> 40 CFR60 SUBPART KKK <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Oil & Gas Production Facility	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart

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EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Fugitive Emissions, Pipeline Transfer Station	<input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart <input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Furnace, Basic Oxygen Process	<input type="checkbox"/> 40 CFR60 SUBPART Na	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Electric Arc, For Steel Plants Constructed After August 17, 1983	<input type="checkbox"/> 40 CFR60 SUBPART AAa	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Electric Arc, For Steel Plants: Constructed After Oct. 21, 1974, & On Or Before Aug. 17, 1983	<input type="checkbox"/> 40 CFR60 SUBPART AA	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Glass Melting	<input type="checkbox"/> Rule 1117 (01/06/84) <input type="checkbox"/> 40 CFR60 SUBPART CC	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Lead Melting, Automotive Batteries	<input type="checkbox"/> Rule 1101 (10/07/77) <input type="checkbox"/> 40 CFR63 SUBPART X	<input type="checkbox"/> AQMD TM 6.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Gasoline Transfer & Dispensing Operation	<input type="checkbox"/> Rule 461 (01/09/04)	<input type="checkbox"/> Rule 461(f)	<input type="checkbox"/> Rule 461(e)(6) & (e)(7)
<input type="checkbox"/> Glass Manufacturing	See Manufacturing, Glass		
<input type="checkbox"/> Grain Elevators	<input type="checkbox"/> 40 CFR60 SUBPART DD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Halon-containing Equipment, Use for Technician Training, Testing, Maintenance, Service, Repair, or Disposal	<input type="checkbox"/> 40 CFR82 SUBPART H	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Heater, Asphalt Pavement	<input type="checkbox"/> Rule 1120 (08/04/78)	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 6.2	<input type="checkbox"/> Rule 1120(f)
<input type="checkbox"/> Heaters, Petroleum Refinery Process	<input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 431.1 (06/12/98) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	N/A <input type="checkbox"/> Rule 431.1(f) <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 431.1(d) & (e) <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) See Applicable Subpart See Applicable Subpart
<input checked="" type="checkbox"/> Heaters, Process	See Boilers		
<input type="checkbox"/> Incinerators	<input type="checkbox"/> 40 CFR60 SUBPART E	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Inorganic Arsenic Emissions, Arsenic Trioxide & Metallic Arsenic Production Facilities	<input type="checkbox"/> 40 CFR61 SUBPART P	See Applicable Subpart	See Applicable Subpart

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Internal Combustion Engines, Reciprocating	<input type="checkbox"/> 40 CFR63 SUBPART ZZZZ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Kiln, Cement Plant	<input type="checkbox"/> Rule 1112 (01/06/86) <input type="checkbox"/> Rule 1112.1 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART F	N/A N/A See Applicable Subpart	N/A N/A See Applicable Subpart
<input type="checkbox"/> Landfills	<input type="checkbox"/> Rule 1150 (10/15/82) <input type="checkbox"/> Rule 1150.1 (03/17/00) <input type="checkbox"/> 40 CFR60 SUBPART WWW <input type="checkbox"/> 40 CFR63 SUBPART AAAA	<input type="checkbox"/> Rule 1150.1(j) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1150.1(e) & (f) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Lead Acid Battery Manufacturing Plants	See Manufacturing, Lead Acid Battery		
<input type="checkbox"/> Lead Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Manufacturing, Asphalt Processing & Asphalt Roofing	<input type="checkbox"/> Rule 470 (05/07/76) <input type="checkbox"/> Rule 1108 (02/01/85) <input type="checkbox"/> Rule 1108.1 (11/04/83) <input type="checkbox"/> 40 CFR60 SUBPART UU <input type="checkbox"/> 40 CFR63 SUBPART LLLLL	N/A <input type="checkbox"/> Rule 1108(b) <input type="checkbox"/> Rule 1108.1 (b) See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Brick & Structural Clay Products	<input type="checkbox"/> 40 CFR63 SUBPART JJJJ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Clay Ceramics	<input type="checkbox"/> 40 CFR63 SUBPART KKKKK	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Coatings & Ink (SIC Code 2851)	<input type="checkbox"/> Rule 1141.1 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART HHHHH	N/A See Applicable Subpart	<input type="checkbox"/> Rule 1141.1(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Consumer Product	<input type="checkbox"/> Title 17 CCR 94500		
<input type="checkbox"/> Manufacturing, Food Product	<input type="checkbox"/> Rule 1131 (06/06/03)	<input type="checkbox"/> Rule 1131(e)	<input type="checkbox"/> Rule 1131(d)
<input type="checkbox"/> Manufacturing, Friction Materials	<input type="checkbox"/> 40 CFR63 SUBPART QQQQQ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Glass	<input type="checkbox"/> Rule 1117 (01/06/84) <input type="checkbox"/> 40 CFR60 SUBPART CC <input type="checkbox"/> 40 CFR61 SUBPART N	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Hydrochloric Acid	<input type="checkbox"/> 40 CFR63 SUBPART NNNNN	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Lead-Acid Battery	<input type="checkbox"/> 40 CFR60 SUBPART KK	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Lime	<input type="checkbox"/> 40 CFR63 SUBPART AAAAA	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Magnetic Tape Industry	<input type="checkbox"/> 40 CFR60 SUBPART SSS <input type="checkbox"/> 40 CFR63 SUBPART EE	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Miscellaneous Organic Chemical	<input type="checkbox"/> 40 CFR63 SUBPART FFFF	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Nitric Acid	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1159 (12/06/85) <input type="checkbox"/> 40 CFR60 SUBPART G	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> AQMD TM 7.1 or 100.1 See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Plywood & Composite Wood Products	<input type="checkbox"/> Rule 1137 (02/01/02) <input type="checkbox"/> 40 CFR63 SUBPART DDDD	N/A See Applicable Subpart	<input type="checkbox"/> Rule 1137(e) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Polymer Industry	<input type="checkbox"/> 40 CFR60 SUBPART DDD <input type="checkbox"/> 40 CFR63 SUBPART W <input type="checkbox"/> 40 CFR63 SUBPART J	See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart

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EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Manufacturing, Polymeric Cellular Foam	<input type="checkbox"/> Rule 1175 (05/13/94) <input type="checkbox"/> 40 CFR63 SUBPART UUUU	<input type="checkbox"/> Rule 1175(f) See Applicable Subpart	<input type="checkbox"/> Rule 1175(e) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Products Containing Halon Blends	<input type="checkbox"/> 40 CFR82 SUBPART H	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Products Containing Organic Solvents	<input type="checkbox"/> Rule 443.1 (12/05/86)	N/A	N/A
<input type="checkbox"/> Manufacturing, Products Containing Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART A <input type="checkbox"/> 40 CFR82 SUBPART E	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Reinforced Plastic Composites	<input type="checkbox"/> 40 CFR63 SUBPART WWW	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Refractory Products	<input type="checkbox"/> 40 CFR63 SUBPART SSSS	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Resin	<input type="checkbox"/> Rule 1141 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART W	<input type="checkbox"/> Rule 1141(d) See Applicable Subpart	<input type="checkbox"/> Rule 1141(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Rubber Tire	<input type="checkbox"/> 40 CFR63 SUBPART XXXX	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Semiconductors	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1164 (01/13/95) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART BBBB	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1164(e) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1164(c)(5) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Solvent	<input type="checkbox"/> Rule 443 (05/07/76)	N/A	N/A
<input type="checkbox"/> Manufacturing, Sulfuric Acid	<input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> 40 CFR60 SUBPART H <input type="checkbox"/> 40 CFR60 SUBPART Cd	<input type="checkbox"/> AQMD TM 6.1 or 6.2 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Surfactant	<input type="checkbox"/> Rule 1141.2 (01/11/02)	<input type="checkbox"/> AQMD TM 25.1	
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes	<input type="checkbox"/> 40 CFR60 SUBPART III <input type="checkbox"/> 40 CFR60 SUBPART NNN	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes	<input type="checkbox"/> 40 CFR60 SUBPART RRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Vinyl Chloride	<input type="checkbox"/> 40 CFR61 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Water Heaters	<input type="checkbox"/> Rule 1121 (09/03/04)	N/A	N/A
<input type="checkbox"/> Manufacturing, Wool Fiberglass Insulation	<input type="checkbox"/> 40 CFR60 SUBPART PPP	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manure Processing Operations	<input type="checkbox"/> Rule 1127	<input type="checkbox"/> Rule 1127(h)	<input type="checkbox"/> Rule 1127(g)
<input type="checkbox"/> Marine Tank Vessel Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(e) See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart
<input type="checkbox"/> Mercury Emissions	<input type="checkbox"/> 40 CFR61 SUBPART E <input type="checkbox"/> 40 CFR63 SUBPART IIII	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Motor Vehicle Air Conditioners with Ozone Depleting Substances (ODS): Repair, Service, Manufacturing, Maintenance, or Disposal	<input type="checkbox"/> 40 CFR82 SUBPART B <input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Municipal Waste Combustors	<input type="checkbox"/> 40 CFR60 SUBPART Cb	See Applicable Subpart	See Applicable Subpart

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	<input type="checkbox"/> 40 CFR60 SUBPART Ea <input type="checkbox"/> 40 CFR60 SUBPART Eb	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Negative Air Machines/HEPA, Asbestos	<input type="checkbox"/> 40 CFR61 SUBPART M	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Nickel Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Nonmetallic Mineral Processing Plants	<input type="checkbox"/> Rule 404 (02/07/86) <input type="checkbox"/> Rule 405 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART OOO	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Off-site Waste and Recovery Operation	<input type="checkbox"/> 40 CFR63 SUBPART DD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Oil and Gas Well Operation	<input type="checkbox"/> Rule 1148 (11/05/82) <input type="checkbox"/> Rule 1148.1 (03/05/04)	<input type="checkbox"/> AQMD TM 25.1 <input type="checkbox"/> Rule 1148.1 (g)	<input type="checkbox"/> Rule 1148.1 (f)
<input type="checkbox"/> Onshore Natural Gas Processing, SO ₂ Emissions	<input type="checkbox"/> 40 CFR60 SUBPART LLL	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Open Fires	<input type="checkbox"/> Rule 444 (12/21/01)		
<input type="checkbox"/> Open Storage, Petroleum Coke	<input type="checkbox"/> Rule 403 (04/02/04) <input type="checkbox"/> Rule 403.1 (04/02/04) <input type="checkbox"/> Rule 1158 (06/11/99)	<input type="checkbox"/> Rule 403(d)(4) <input type="checkbox"/> Rule 1158(h)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f) <input type="checkbox"/> Rule 1158(j)
<input type="checkbox"/> Open Storage	<input type="checkbox"/> Rule 403 (04/02/04) <input type="checkbox"/> Rule 403.1 (04/02/04)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f)
<input type="checkbox"/> Outer Continental Shelf Platform	<input type="checkbox"/> Rule 1183 (03/12/93) <input type="checkbox"/> 40 CFR55	<input type="checkbox"/> 40 CFR55 See Applicable Subpart	<input type="checkbox"/> 40 CFR55 See Applicable Subpart
<input type="checkbox"/> Oven, Commercial Bakery	<input type="checkbox"/> Rule 1153 (01/13/95)	<input type="checkbox"/> Rule 1153(h)	<input type="checkbox"/> Rule 1153(g)
<input type="checkbox"/> Oven, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81) <input type="checkbox"/> 40 CFR63 SUBPART L	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Ozone Depleting Substances (ODS) or Alternative ODS, Use	<input type="checkbox"/> 40 CFR82 Subpart G	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 465 (08/13/99) <input type="checkbox"/> Rule 468 (10/08/76) <input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> Rule 1123 (12/07/90) <input type="checkbox"/> Rule 1189 (01/21/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> 40 CFR63 SUBPART EEEE <input type="checkbox"/> 40 CFR63 SUBPART GGGGG <input type="checkbox"/> Title 13 CCR 2250	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> AQMD TM 6.1 or 6.2 <input type="checkbox"/> AQMD TM 6.1 or 6.2 N/A <input type="checkbox"/> Rule 1189(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 1123(c) <input type="checkbox"/> Rule 1189(e) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Fugitive Emissions	<input type="checkbox"/> Rule 1173 (12/06/02)	<input type="checkbox"/> Rule 1173(j)	<input type="checkbox"/> Rule 1173(i)

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EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> 40 CFR60 SUBPART GGG <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Storage Tanks	<input type="checkbox"/> Rule 463 (05/06/05) <input type="checkbox"/> Rule 1178 (12/11/01) <input type="checkbox"/> 40 CFR60 SUBPART K <input type="checkbox"/> 40 CFR60 SUBPART Ka <input type="checkbox"/> 40 CFR60 SUBPART Kb <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> 40 CFR63 SUBPART EEEE	<input type="checkbox"/> Rule 463(g) <input type="checkbox"/> Rule 1178(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 463(e)(5) <input type="checkbox"/> Rule 1178(f) & (h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Wastewater Systems	<input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> 40 CFR60 SUBPART QQQ <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1176(h) N/A See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Pharmaceuticals & Cosmetics Manufacturing	<input type="checkbox"/> Rule 1103 (03/12/99)	<input type="checkbox"/> Rule 1103(f)	<input type="checkbox"/> Rule 1103(e)
<input type="checkbox"/> Polyester Resin Operation	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1162 (07/09/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1162(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1162(e) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Primary Magnesium Refining	<input type="checkbox"/> 40 CFR63 SUBPART TTTT	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Printing Press	See Coating Operations		
<input type="checkbox"/> Publicly Owned Treatment Works Operations	<input type="checkbox"/> Rule 1179 (03/06/92) <input type="checkbox"/> 40 CFR60 SUBPART O	<input type="checkbox"/> Rule 1179(e) See Applicable Subpart	<input type="checkbox"/> Rule 1179(c) & (d) See Applicable Subpart
<input checked="" type="checkbox"/> Pumps	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Recycling & Recovery Equipment for Ozone Depleting Substances (ODS),	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Refrigerant Reclaimers for Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Rendering Plant	<input type="checkbox"/> Rule 472 (05/07/76)	N/A	<input type="checkbox"/> Rule 472(b)
<input type="checkbox"/> Rock Crushing	See Nonmetallic Mineral Processing Plants		

**KEY
ABBREVIATIONS:**

Reg. = AQMD Regulation
Rule = AQMD Rule

App. = Appendix
AQMD TM = AQMD Test Method

CFR = Code of Federal Regulations
CCR = California Code of Regulations

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Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Semiconductor Manufacturing	See Manufacturing, Semiconductors		
<input type="checkbox"/> Sewage Treatment Plants	See Publicly Owned Treatment Works Operation		
<input type="checkbox"/> Site Remediation	<input type="checkbox"/> 40 CFR63 SUBPART GGGGG	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Smelting, Primary Copper	<input type="checkbox"/> 40 CFR63 SUBPART QQQ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Smelting, Secondary Lead	<input type="checkbox"/> 40 CFR60 SUBPART L <input type="checkbox"/> 40 CFR63 SUBPART X	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Soil Decontamination	<input type="checkbox"/> Rule 1166 (05/11/01) <input type="checkbox"/> 40 CFR63 SUBPART GGGGG	<input type="checkbox"/> Rule 1166(e) See Applicable Subpart	<input type="checkbox"/> Rule 1166(c)(1)(C) See Applicable Subpart
<input type="checkbox"/> Spray Booth	See Coating Operations		
<input type="checkbox"/> Sterilizer, Ethylene Oxide	<input type="checkbox"/> 40 CFR63 SUBPART O	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Degassing Operation	<input type="checkbox"/> Rule 1149 (07/14/95) <input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Greater Than 19,815 Gallon Capacity	<input type="checkbox"/> Rule 463 (05/06/05) <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR60 SUBPART K <input type="checkbox"/> 40 CFR60 SUBPART Ka <input type="checkbox"/> 40 CFR60 SUBPART Kb <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 463(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 463(e)(5) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Synthetic Fiber Production Facilities	<input type="checkbox"/> 40 CFR60 SUBPART HHH	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Taconite Iron Ore Processing Facilities	<input type="checkbox"/> 40 CFR63 SUBPART RRRRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Gas-Fired	<input type="checkbox"/> Rule 1134 (08/08/97) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> 40 CFR60 SUBPART GG <input type="checkbox"/> 40 CFR63 SUBPART YYYY	<input type="checkbox"/> CEMS Rule 1134(e) & (g) <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1134(d) & (f) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Oil-Fired	<input type="checkbox"/> 40 CFR63 SUBPART YYYY	See Applicable Subpart	See Applicable Subpart
<input checked="" type="checkbox"/> Valves	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Vessel, Refinery Process	<input type="checkbox"/> Rule 1123 (12/07/90)	N/A	<input type="checkbox"/> Rule 1123(c)
<input type="checkbox"/> Vessels	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Wastewater, Chemical Plant	<input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART CC	N/A <input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Wastewater Treatment, Other	<input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> Rule 1176 (09/13/96)	N/A <input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
<input type="checkbox"/> Woodworking Operations	<input type="checkbox"/> Rule 1137 (02/01/02)	N/A	<input type="checkbox"/> Rule 1137(e)

KEY

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Rule = AQMD Rule

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Complete this section only if there is a specific requirement (i.e., rule reference, test method, or MRR requirement) that is:

1. Listed for a specific type of equipment or process in Section II of this form & **DOES NOT** pertain to a specific device at your facility*; OR,
2. Is **NOT** Listed for a specific type of equipment or process in Section II of this form but it **IS** applicable to a specific device at your facility.

NOTES:

1. For any specific requirement, test method, or MRR requirement that is identified as “Remove,” attach additional sheets to explain the reasons why the specific requirement does not pertain to the device listed.
2. All boxes that are checked in Section II and any additional requirements identified in this section as “Add” will be used to determine the facility’s compliance status. This information will be used to verify the certification statements made on Form 500-A2.
3. Do not use this section to identify equipment that is exempt from specific rule requirements. Your equipment is automatically considered to be in compliance with the rule that specifically exempts the equipment from those requirements.
4. Listing any requirement that does not apply to a specific piece of equipment in this section will not provide the facility with a permit shield unless one is specifically requested by completing Form 500-D and approved by the AQMD.

* If this section is completed as part of the initial Title V application & there is no device number assigned, refer to the existing permit or application number in this column.

[illegible]

Section IV - SIP-Approved Rules That Are Not The Most Current AQMD Rules

Check off each SIP-Approved Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
218	08/07/81	<input type="checkbox"/>	1146.2	01/09/98	<input type="checkbox"/>
401	03/02/84	<input type="checkbox"/>	1162	11/17/00	<input type="checkbox"/>
403	12/11/98	<input type="checkbox"/>	1166	07/14/95	<input type="checkbox"/>
403.1	01/15/93	<input checked="" type="checkbox"/>	1168	10/03/03	<input type="checkbox"/>
431.2	05/04/90	<input checked="" type="checkbox"/>	1171	11/07/03	<input checked="" type="checkbox"/>
463	03/11/94	<input type="checkbox"/>	1173	05/13/94	<input type="checkbox"/>
466.1	05/02/80	<input type="checkbox"/>	1186	09/10/99	<input type="checkbox"/>
469	05/07/76	<input type="checkbox"/>	2000	05/11/01	<input type="checkbox"/>
475	10/08/76	<input type="checkbox"/>	2001	05/11/01	<input type="checkbox"/>
1112	01/06/84	<input type="checkbox"/>	2002	05/11/01	<input type="checkbox"/>
1113	11/08/96	<input type="checkbox"/>	2005	04/20/01	<input type="checkbox"/>
1121	12/10/99	<input type="checkbox"/>	2007	12/05/03	<input type="checkbox"/>
1122	07/11/97	<input type="checkbox"/>	2010	05/11/01	<input type="checkbox"/>
1132	03/05/04	<input type="checkbox"/>	2011	12/05/03	<input type="checkbox"/>
1140	02/01/80	<input checked="" type="checkbox"/>	2012	12/05/03	<input checked="" type="checkbox"/>
1145	02/14/97	<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>

Section V - AQMD Rules That Are Not SIP-Approved (Continued on Following Page)

Check off each AQMD Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
53 Los Angeles Co.	N/A	<input checked="" type="checkbox"/>	1170	05/06/88	<input type="checkbox"/>
53 Orange Co.	N/A	<input type="checkbox"/>	1183	03/12/93	<input type="checkbox"/>
53 Riverside Co.	N/A	<input type="checkbox"/>	1186.1	06/04/04	<input type="checkbox"/>
53 San Bernardino Co.	N/A	<input type="checkbox"/>	1191	06/16/00	<input type="checkbox"/>
53A San Bernardino Co.	N/A	<input type="checkbox"/>	1192	06/16/00	<input type="checkbox"/>
218.1	05/14/99	<input type="checkbox"/>	1193	06/06/03	<input type="checkbox"/>
402	05/07/76	<input checked="" type="checkbox"/>	1194	10/20/00	<input type="checkbox"/>
429	12/21/90	<input type="checkbox"/>	1195	04/20/01	<input type="checkbox"/>
430	07/12/96	<input type="checkbox"/>	1196	06/04/04	<input type="checkbox"/>
441	05/07/76	<input type="checkbox"/>	1401	03/04/05	<input checked="" type="checkbox"/>
473	05/07/76	<input type="checkbox"/>	1402	03/04/05	<input type="checkbox"/>
477	04/03/81	<input type="checkbox"/>	1403	04/08/94	<input type="checkbox"/>
480	10/07/77	<input type="checkbox"/>	1404	04/06/90	<input checked="" type="checkbox"/>
1105.1	11/07/03	<input type="checkbox"/>	1405	01/04/91	<input type="checkbox"/>
1109	08/05/88	<input type="checkbox"/>	1406	07/08/94	<input type="checkbox"/>
1110.1	10/04/85	<input checked="" type="checkbox"/>	1407	07/08/94	<input type="checkbox"/>
1110.2	11/14/97	<input checked="" type="checkbox"/>	1411	03/01/91	<input type="checkbox"/>
1116.1	10/20/78	<input type="checkbox"/>	1414	05/03/91	<input type="checkbox"/>
1118	02/13/98	<input checked="" type="checkbox"/>	1415	10/14/94	<input checked="" type="checkbox"/>
1127	08/06/04	<input type="checkbox"/>	1418	09/10/99	<input type="checkbox"/>
1148.1	03/05/04	<input type="checkbox"/>	1420	09/11/92	<input type="checkbox"/>
1150	10/15/82	<input type="checkbox"/>	1421	12/06/02	<input type="checkbox"/>
1157	01/07/05	<input type="checkbox"/>	1425	03/16/01	<input type="checkbox"/>
1163	06/07/85	<input type="checkbox"/>	1426	05/02/03	<input type="checkbox"/>

Section V - AQMD Rules That Are Not SIP-Approved (Continued on Following Page)					
1469	05/02/03	<input type="checkbox"/>	2009.1	05/11/01	<input type="checkbox"/>
1469.1	03/04/05	<input type="checkbox"/>	2020	05/11/01	<input type="checkbox"/>
1470	03/04/05	<input type="checkbox"/>	2501	05/09/97	<input type="checkbox"/>
2009	01/07/05	<input type="checkbox"/>	2506	12/10/99	<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>

Andrew Chew

From: reebeljc airproducts.com
Sent: Tuesday, November 06, 2007 2:15 PM
To: Andrew Chew
Cc: reebeljc airproducts.com; B., Creitz, Jennifer
Subject: RE: Air Products Carson: Field Evaluation Follow-up

Hey Andrew, just wanted to let you know that I am back in town and will be going over items 1 through 3 with Jenny Creitz over the next few days to get you answers as well as a better PFD. I received the Carson Title V draft and have begun reviewing it, thanks for sending.

I heard back from Son Bui of AirKinetics that the Wilmington reformer VOC testing that was performed on 10/11 produced results that were within our permit limits and he is preparing an addendum to the report that had been sent to you in September. Will forward to you once I receive.

For the Wilmington cooling tower, our project folks are in the process of preparing a firm project scope/estimate (like a +/- 10% cost number) for the stripper option so that our accounting department can properly review and weigh between the two options. Haven't received anything back from the City of LA yet on the sewer capacity availability report that we commissioned...should be done soon, will check with them this week. I am thinking that next week I should have a good timeline to supply you with for when we expect the pieces to come together for our accounting to review the options and make a choice from an Air Products' perspective.

Thanks Andy!

Jim

-----Original Message-----

From: Andrew Chew [mailto:achew@aqmd.gov]
Sent: Wednesday, October 17, 2007 11:15 AM
To: Reebel, James C.
Cc: Bhaskar Chandan
Subject: Air Products Carson: Field Evaluation Follow-up

Hi Jim,

Hope you're doing well. In brief, the list below points out the things we need to follow-up:

- 1) Boiler makeup feedwater/steam drum (V-108) does not appear in the permit. Were you able to find out why it was not in the permit and can you submit a modification application to add the equipment into the permit if the stream comes into contact one way or another with the process condensates in the deaerator (V-114, D24)?
- 2) Also, were you able to determine whether the contents inside Intermittent Blowdown Drum V-129 would carry zero process condensates originating from the deaerator (V-114, D24)? I'm asking because process condensates from deaerator mixes with the Reverse Osmosis water before entering into the heat exchanger and subsequently to Blowdown Drum V-129 (D23) and venting to the atmosphere.
- 3) Four heat exchangers (Exchangers 251A/B and 252A/B) operating at the facility do not appear in the permit. Also, four compressors identified as 251A/B and 252A/B in the permit do not exist at the facility. I looked into the application Air Products submitted in March 1998, and the process flow diagrams showed both sets of compressors and heat exchangers. To remedy the inconsistencies, can you submit one "modification" application with supporting information to us to remove the four compressors and to add the four exchangers? Based on my understanding, you can combine



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

October 25, 2007

Jennifer Creitz
Principal Environmental Engineer
Air Products and Chemicals, Inc.
23300 South Alameda Street
Carson, California 90810

RE: DRAFT TITLE V PERMIT FOR CARSON FACILITY (ID# 3417)

Dear Ms. Creitz:

Enclosed is the final draft of the Title V permit for your review. The South Coast Air Quality Management District (AQMD) plans to release the proposed Title V permit for concurrent review by U.S. Environmental Protection Agency (EPA) and the public in November of 2007. Any comments that Air Products and Chemicals, Inc., wishes to provide must be received by November 27, 2007, in order to be considered for incorporation into the proposed permit.

The following changes have been incorporated into the draft of your Title V permit:

- Added Facility Conditions F9.1, F14.1, F24.1, and F60.1 that respectively addressed visible emissions, sulfur compounds in natural gas, Accidental Release Prevention requirements, and definition of emissions limits;
- Added System Conditions S2.1 and S13.1 that specified requirements under District Rule 1189 to limit VOC emissions and to record the flow rate of hydrogen produced;
- Replaced Condition P2.1 with A63.1 that specifies daily emissions limit (lbs/day);
- Added Condition A99.1 to clarify that the 5 ppm NO_x emission limit would not be applicable during the startup period;
- Modified Condition D12.2 to require continuous recording of flow meter readings for the flare gases;
- Modified Condition D12.3 to require continuous recording of the temperature in the selective catalytic reactor;
- Added Condition H23.1 to limit CO emissions per Rule 407 and tagged this condition to Devices D23 (Intermittent Blowdown Drum) and D24 (Deaerator PRV) that vent to the atmosphere; Device D20 (PSA Adsorber); Device D30 (Reformer Heater); Device C32 (SCR); and Device C33 (Flare);
and
- Added Condition H23.2 to require Device D30 (Reformer Heater) to comply with the applicable requirements of Rule 1146.

October 25, 2007

Page 2

For reference purposes, we have enclosed a copy of the Compliance Status Report Form 500-C1 that was submitted with the initial Title V permit application package for your facility. We are also enclosing a new Form 500-C1 (Rev. 05/05), updated to current regulatory requirements, and a new Form 500-A2 (Rev. 2006.02) that you must fill out and resubmit. These forms are also available on the internet at <http://www.aqmd.gov/permit/forms.html#titlev>. Since the new forms have changed, please review them carefully to ensure that your submittal is complete and accurate.

When your review is complete, please prepare the following and return to us:

- Comments on the proposed permit
- Compliance Status Report, Form 500-C1
- Application Certification, Form 500-A2 (check item 3b in Section 1)
- Non-Compliant Operations Report and Compliance Plan, Form 500-C2 (if applicable)
- Draft Title V Permit for Air Products and Chemicals, Inc., Carson Facility (ID# 3417)

Please return the above documents by November 27, 2007 to:

South Coast Air Quality Management District
Refinery and Waste Management Permitting
21865 Copley Drive
Diamond Bar CA 91765-4182
Attention: Andrew Chew

Please be aware that failure to provide the requested information by the specified date may result in the loss of your application shield, as provided for by Rule 3002(b). If you have any questions or need additional information, please contact Andrew Chew at (909) 396-2493.

Sincerely,



Jay Chen, P.E.
Senior Manager
Refinery and Waste Management Permitting

JC:AC

Enclosures: Draft Title V Permit
Completed Form 500-C1 submitted with initial Title V application
Blank Form 500-C1 (Rev. 05/05)
Blank Form 500-A2 (Rev. 2006.02)

cc: Title V application (No. 401782) folder (with enclosures)



AQMD

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Title Page
Facility I.D.#: 003417
Revision #: DRAFT
Date: October 25, 2007

FACILITY PERMIT TO OPERATE

**AIR PROD & CHEM INC
23300 S ALAMEDA ST
CARSON, CA 90810**

NOTICE

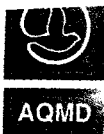
IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

 **DRAFT**

By _____
Carol Coy
Deputy Executive Officer
Engineering & Compliance



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

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C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	DRAFT	10/25/2007
E	Administrative Conditions	DRAFT	10/25/2007
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FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: AIR PROD & CHEM INC

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 23300 S ALAMEDA ST
CARSON, CA 90810-1921

MAILING ADDRESS: 7201 HAMILTON BLVD
ALLENTOWN, PA 18195-1501

RESPONSIBLE OFFICIAL: GEOFFREY WYATT

TITLE: VICE PRESIDENT AND GENERAL MANAGER

TELEPHONE NUMBER: (610) 481-1416

CONTACT PERSON: JENNIFER CREITZ

TITLE: SR. ENVIRONMENTAL ENGINEER

TELEPHONE NUMBER: (610) 481-4755

TITLE V PERMIT ISSUED:

TITLE V PERMIT EXPIRATION DATE:

TITLE V		RECLAIM	
YES	NOx:	YES	
	SOx:	NO	
	CYCLE:	1	
	ZONE:	COASTAL	



AQMD

FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of NO_x RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NO_x emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

The level of Starting Allocation plus Non-Tradable Credits used to determine compliance with Rule 2005(c)(4) and applicability of Rule 2005(e) - Trading Zone Restrictions is listed on the last page of this Section.

The following table lists the annual allocations that were issued to this facility and the amounts of RTCs held by this facility on the day of printing this Section.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year		Zone	NO _x RTC Initially Allocated	NO _x RTC ¹ Holding as of 10/25/07 (pounds)	Non-Tradable ² Non-Usable RTCs (pounds)
Begin	End				
(month/year)					
7/2004	6 /2005	Coastal	0	14090	0
1/2005	12/2005	Coastal	0	2106	0
7/2005	6 /2006	Coastal	0	7879	0
1/2006	12/2006	Coastal	0	0	0
7/2006	6 /2007	Coastal	0	13517	0
1/2007	12/2007	Coastal	0	7438	0
7/2007	6 /2008	Coastal	0	26983	0
1/2008	12/2008	Coastal	0	7211	227
7/2008	6 /2009	Coastal	0	26158	825
1/2009	12/2009	Coastal	0	6983	455
7/2009	6 /2010	Coastal	0	25333	1650
1/2010	12/2010	Coastal	0	6756	682
7/2010	6 /2011	Coastal	0	24508	2475

Footnotes:

1. This number may change due to pending trades, emissions reported under Quarterly Certification of Emissions Report (QCER) and Annual Permit Emission Program (APEP) Report required pursuant to Rule 2004, or deductions made pursuant to Rule 2010(b). The most recent total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (f)(1) of Rule 2002.



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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Section B Page 2
Facility I.D.#: 003417
Revision #: DRA
Date: October 25, 2007

FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC

SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION

The annual allocation of RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. If the facility submits a permit application to increase an annual allocation to a level greater than the facility's Starting Allocation plus Non-Tradable Credits as listed below, the application will be evaluated for compliance with Rule 2005(c)(4). Rule 2005(e)-Trading Zone Restrictions applies if an annual allocation is increased to a level greater than the facility's Starting Allocation plus Non-Tradable Credits:

Year		Zone	NOx RTC	Non-Tradable
Begin	End		Starting Allocation (pounds)	Credits(NTCs) (pounds)
1/1994	12/1994	Coastal	0	0



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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Section C Page 1
Facility I.D.#: 003417
Revision #: DRA
Date: October 25, 2007

FACILITY PERMIT TO OPERATE
AIR POLLUTION CONTROL

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)



AQMD

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 Copley Drive, Diamond Bar, CA 91765

Section D	Page: 1
Facility I.D.:	3417
Revision #:	DRAFT
Date:	October 25, 2007

FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

NONE



AQMD

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION E: ADMINISTRATIVE CONDITIONS

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]
5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]



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**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION E: ADMINISTRATIVE CONDITIONS

- a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
 - a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
 - e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
 - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulations, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]



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**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION E: ADMINISTRATIVE CONDITIONS

9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.
 - b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
 - f. Description of calibration and quality assurance procedures.
 - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
 - a. The results of the source test.
 - b. Brief description of the equipment tested.
 - c. Operating conditions under which test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.
 - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION E: ADMINISTRATIVE CONDITIONS

12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182.
[204]



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

I. NOx Monitoring Conditions

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NOx source to continuously measure the concentration of NOx emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NOx emissions rate from each source. The time-sharing of CEMS among NOx sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]
4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
 - a. compliance with the annual Allocation;
 - b. excess emissions;
 - c. the amount of penalties; and
 - d. fees.
5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
 - a. compliance with the annual Allocation;
 - b. excess emissions;
 - c. the amount of penalties; and
 - d. fees.



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS

B. The Operator of a NO_x Large Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

C. The Operator of a NO_x Process Unit, as defined in Rule 2012, shall, as applicable:

Not Applicable

II. NO_x Source Testing and Tune-up Conditions

1. The operator shall conduct all required NO_x source testing in compliance with an AQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NO_x source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NO_x concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NO_x large sources and NO_x process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]
4. Process Unit source testing



DAYTIME PERMIT TO OPERATE
AIR POLLUTION CONTROL

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
 - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
 - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
 - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request: records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NO_x or SO_x emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

NO_x Reporting Requirements

- A. The Operator of a NO_x Major Source, as defined in Rule 2012, shall, as applicable:
 1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major NO_x source, the total daily mass emissions of NO_x and daily status codes. Such data



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AIR PROD & CHEM INC**

**SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR
RECLAIM SOURCES**

shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2012]

2. Calculate NO_x emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2012]
 3. Submit an electronic report within 15 days following the end of each month totaling NO_x emissions from all major NO_x sources during the month. [2012]
 4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]
- B. The Operator of a NO_x Large Source, as defined in Rule 2012, shall:
Not Applicable
- C. The Operator of a NO_x Process Unit, as defined in Rule 2012, shall:
Not Applicable



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21865 Copley Drive, Diamond Bar, CA 91765

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FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : HYDROGEN PRODUCTION					
System 1 : HYDROGEN PLANT					S2.1, S13.1
VESSEL, V-101, FEED GAS SEPARATOR, HEIGHT: 10 FT; DIAMETER: 4 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D4				E71.1
FILTER, F-200A/B, FEED COMPRESSOR INLET A/N: 337978 Permit to Construct Issued: 09/11/98	D5				
COMPRESSOR, C-200A/B, FEED, SINGLE STAGE, CAPACITY: 1,302,065 DSCFH, 12,000 HP EACH A/N: 337978 Permit to Construct Issued: 09/11/98	D6				
HEAT EXCHANGER, E-201A/B, FEED COMPRESSOR DISCHARGE COOLER, SHELL AND TUBE TYPE, 5.33 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D7				
VESSEL, K-201A/B, FEED COMPRESSOR DISCHARGE COALESCE, CAPACITY: 1.302 MMSCFH, WITH PRESSURE RELIEF VALVE VENTED TO FLARE A/N: 337978 Permit to Construct Issued: 09/11/98	D8	C33			

- * (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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Facility I.D.: 3
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FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : HYDROGEN PRODUCTION					
HEAT EXCHANGER, E-103, PROCESS GAS BOILER, SHELL AND TUBE TYPE, 198.26 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D9				
REACTOR, V-109, HIGH TEMPERATURE SHIFT, HEIGHT: 16 FT 6 IN; DIAMETER: 12 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D10				
HEAT EXCHANGER, E-104, FEED PREHEATER, SHELL AND TUBE TYPE, 28.44 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D11				
VESSEL, V-104, HYDROGENATOR, HEIGHT: 11 FT; DIAMETER: 8 FT 6 IN A/N: 337978 Permit to Construct Issued: 09/11/98	D12				
VESSEL, V-105, FEED DESULFURIZER, WITH ZINC OXIDE CATALYST, HEIGHT: 11 FT 6 IN; DIAMETER: 9 FT 6 IN A/N: 337978 Permit to Construct Issued: 09/11/98	D13				
VESSEL, V-103, PRE-REFORMER, WITH PRE-REFORMER CATALYST, HEIGHT: 15 FT; DIAMETER: 7 FT 6 IN A/N: 337978 Permit to Construct Issued: 09/11/98	D14				

- * (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits

- (2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : HYDROGEN PRODUCTION					
HEAT EXCHANGER, E-106, BFW PREHEATER, SHELL AND TUBE TYPE, 89.63 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D15				
HEAT EXCHANGER, E-108, DEAERATOR WATER HEATER, SHELL AND TUBE TYPE, 43.53 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D16				
HEAT EXCHANGER, E-109, PROCESS GAS AIR COOLER, FAN TYPE, 100.43 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D17				
HEAT EXCHANGER, E-110, PROCESS TRIM COOLER, SHELL AND TUBE TYPE, 8.71 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D18				
VESSEL, V-112, PROCESS CONDENSATE SEPARATOR, WITH PRV VENTED TO FLARE, HEIGHT: 21 FT; DIAMETER: 7 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D19	C33			
ADSORBER, V8000 A THRU J, PSA, 10 IDENTICAL UNITS, HEIGHT: 29 FT; DIAMETER: 12 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D20				E336.1, H23.1

* (1)(1A)(1B) Denotes RECLAIM emission factor

(3) Denotes RECLAIM concentration limit

(5)(5A)(5B) Denotes command and control emission limit

(7) Denotes NSR applicability limit

(9) See App B for Emission Limits

(2)(2A)(2B) Denotes RECLAIM emission rate

(4) Denotes BACT emission limit

(6) Denotes air toxic control rule limit

(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)

(10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : HYDROGEN PRODUCTION					
VESSEL, V-113A/B, PSA SURGE DRUM, WITH PRV VENTED TO FLARE, HEIGHT: 90 FT; DIAMETER: 12 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D21	C33			
VESSEL, V-107, CONTINUOUS BLOWDOWN DRUM, HEIGHT: 9 FT; DIAMETER: 2 FT 6 IN A/N: 337978 Permit to Construct Issued: 09/11/98	D22				
VESSEL, V-129, INTERMITTENT BLOWDOWN DRUM, VENTED TO ATMOSPHERE, HEIGHT: 10 FT; DIAMETER: 5 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D23				H23.1
VESSEL, V-114, DEAERATOR, VENTED TO HEATER FIREBOX, WITH PRV VENTED TO ATMOSPHERE, HEIGHT: 23 FT 11 IN; DIAMETER: 10 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D24	D30			E57.1, H23.1
COMPRESSOR, C-251A/B, 1ST STAGE PRODUCT HYDROGEN, CAPACITY: 3.333 MMSCFH A/N: 337978 Permit to Construct Issued: 09/11/98	D25				

- * (1)(1A)(1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5)(5A)(5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : HYDROGEN PRODUCTION					
VESSEL, K-251A/B, 1ST STAGE COMPRESSOR COALESCER, CAPACITY: 2.708 MMSCFH A/N: 337978 Permit to Construct Issued: 09/11/98	D26				
COMPRESSOR, C-252A/B, 2ND STAGE HYDROGEN PRODUCT, CAPACITY: 2.708 MMSCFH A/N: 337978 Permit to Construct Issued: 09/11/98	D27				
VESSEL, K-252A/B, 2ND STAGE COMPRESSOR COALESCER, CAPACITY: 2.708 MMSCFH A/N: 337978 Permit to Construct Issued: 09/11/98	D28				
VESSEL, V-133, OIL BLOWDOWN DRUM, VENTED TO FLARE, HEIGHT: 7 FT; DIAMETER: 3 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D29	C33			
Process 2 : REFORMING					
System 1 : REFORMER HEATER					
HEATER, H-101, REFORMER, NATURAL GAS, PSA GAS, 764 MMBTU/HR WITH A/N: 337979 Permit to Construct Issued: 08/03/01	D30	D24 C32	NOX: MAJOR SOURCE**	CO: 400 PPMV (5B) [RULE 1146,11-17-2000] ; CO: 10 PPMV (5) [RULE 1303(b)(2)- Offset, 5-10-1996; RULE 1303(b)(2)- Offset, 12-6-2002]	A63.1, A99.1, A195.1, D12.1, D182.1, E57.2, H23.1, H23.2, K67.1

- * (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2 : REFORMING					
BURNER, NATURAL GAS, PSA GAS, JOHN ZINK, MODEL PFLD-SF, 117, DOWNFIRED, STAGED TYPE, WITH LOW NOX BURNER				CO: 2000 PPMV (5A) [RULE 407,4-2-1982] ; NOX: 5 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002] PM: 0.1 GRAINS/SCF (5B) [RULE 409,8-7-1981] ; PM: (9) [RULE 404,2-7-1986] ; PM10: 0.005 LBS/MMBTU (5) [RULE 1303(b)(2)-Offset,5-10-1996 RULE 1303(b)(2)-Offset,12-6-2002]	
System 2 : AIR POLLUTION CONTROL SYSTEM					
SELECTIVE CATALYTIC REDUCTION, X-102, 42 MODULES, WITH AMMONIA INJECTION, 1490 CU.FT.; WIDTH: 6 FT 4 IN; HEIGHT: 3 FT; LENGTH: 3 FT 2 IN A/N: 337980 Permit to Construct Issued: 09/11/98	C32	D30		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT,5-10-1996;RULE 1303(a)(1)-BACT,12-6-2002]	D12.3, D182.1, H23.1

- * (1)(1A)(1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5)(5A)(5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
(2)(2A)(2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



EXPLICITLY PERMITTED TO OPERATE
NESHAP/MACT/NSPS

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3 : STORAGE TANK					
System 1 : FIXED ROOF STORAGE TANK					
STORAGE TANK, FIXED ROOF, V-135, AQUEOUS AMMONIA, 10000 GALS; DIAMETER: 8 FT 6 IN; HEIGHT: 19 FT A/N: 337981 Permit to Construct Issued: 09/11/98	D34				
Process 4 : FLARE					
System 1 : RELIEF FLARE					
FLARE, ELEVATED WITHOUT STEAM, X-940, JOHN ZINK, MODEL EEFLHTS-150/70, AIR ASSISTED, NATURAL GAS, WITH AN INTEGRAL LIQUID SEAL AND KNOCK-OUT DRUM, HEIGHT: 150 FT; DIAMETER: 6 FT 2 IN A/N: 337982 Permit to Construct Issued: 09/11/98	C33	D8 D19 D21 D29		CO: 2000 PPMV (5) [RULE 407, 4-2-1982] ; PM: 0.1 GRAINS/SCF (5B) [RULE 409, 8-7-1981] ; PM: (9) [RULE 404, 2-7-1986]	D12.2, H23.1

- * (1)(1A)(1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5)(5A)(5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2)(2A)(2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



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**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION H: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**



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FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D4	1	1	1
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D6	1	1	1
D7	1	1	1
D8	1	1	1
D9	2	1	1
D10	2	1	1
D11	2	1	1
D12	2	1	1
D13	2	1	1
D14	2	1	1
D15	3	1	1
D16	3	1	1
D17	3	1	1
D18	3	1	1
D19	3	1	1
D20	3	1	1
D21	4	1	1
D22	4	1	1
D23	4	1	1
D24	4	1	1
D25	4	1	1
D26	5	1	1
D27	5	1	1
D28	5	1	1
D29	5	1	1
D30	5	2	1
C32	6	2	2
C33	7	4	1
D34	7	3	1



FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

F14.1 The operator shall not use natural gas containing sulfur compounds in excess of 16 ppmv, calculated as hydrogen sulfide.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[40CFR 68 - Accidental Release Prevention, 5-24-1996]

F60.1 The emission limits identified in Section D and H of the permit shall be defined as emissions discharged to the atmosphere originated from the equipment.

SYSTEM CONDITIONS



FACILITY PERMIT TO OPERATE
AIR POLLUTION CONTROL

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

S2.1 The operator shall limit emissions from this system as follows

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than 2.5 lbs/mmscf of hydrogen produced

A totalizing flow meter shall be installed and maintained to accurately indicate and record the flow rate of hydrogen produced

[RULE 1189, 1-21-2000]

[Systems subject to this condition : Process 1, System 1]

S13.1 All devices under this system are subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1189

[RULE 1189, 1-21-2000]

[Systems subject to this condition : Process 1, System 1]

DEVICE CONDITIONS

A. Emission Limits



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
CO	Less than or equal to 147 LBS IN ANY ONE DAY
NOX	Less than or equal to 121 LBS IN ANY ONE DAY
PM10	Less than or equal to 92 LBS IN ANY ONE DAY
ROG	Less than or equal to 129 LBS IN ANY ONE DAY

The operator shall calculate the daily mass emissions for compliance determination based on the source test required under this permit and fuel usage as determined by a RECLAIM certified fuel meter during the day of the test (0000-2400 hours)

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D30]

A99.1 The 5 PPM NOX emission limit(s) shall not apply during any startup period. Startup period shall be kept at a minimum, and in no case shall it exceed 48 hours.

[RULE 2005, 5-6-2005]

[Devices subject to this condition : D30]

A195.1 The 5 PPM NOX emission limit(s) is averaged over every any 3 consecutive hours.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D30]

D. Monitoring/Testing Requirements



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- D12.1 The operator shall install and maintain a(n) measuring device to accurately indicate the oxygen concentration in the flue gas at the convective section or exhaust stack of this heater. The excess oxygen such measured shall be at a minimum of 1 percent, dry basis, except during startup, shutdown, or process upset.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D30]

- D12.2 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the flare gases in order to comply with District Rule 1118.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 1118, 11-4-2005]

[Devices subject to this condition : C33]

- D12.3 The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature across the SCR catalyst bed.

The operator shall also install and maintain a device to continuously record the parameter being measured.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C32]



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The operator shall comply with the terms and conditions set forth below:

D182.1 The operator shall test this equipment in accordance with the following specifications:

The test shall be conducted at least annually

During the test, the hydrogen plant shall be operated at least 80 percent of the permitted maximum rated capacity or within a capacity range approved by the District

A source test protocol shall be submitted to the district no later than 60 days before the proposed test date. The annual test may commence without prior approval from the District if it is conducted according to a source test protocol previously approved by the District for this equipment. The district shall be notified of the date and time of the test at least 15 days prior to the test. A report shall be submitted to the district no later than 90 days after conducting the test

Testing and sampling facilities shall be provided and maintained in accordance with District Source Test Method 1.1 or 1.2 and District Guidelines for Construction of Sampling and Testing Facilities

The test shall determine and report the concentrations and mass emission rates for NOX, CO, PM10, ROG, and the following:

- a) NOX in lb/MMBTU of heat input, from the inlet and outlet of the SCR unit
- b) Excess oxygen in percent dry basis, from the SCR unit outlet
- c) Ammonia in ppmv, from the SCR unit outlet
- d) Flue gas flow rate in scf/hr, from the SCR unit outlet
- e) Heating value(HHV), in BTU/SCF, of fuel gases supplied to the hydrogen reforming heater
- f) Control efficiency of the SCR unit

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D30, C32]

E. Equipment Operation/Construction Requirements



**FACILITY PERMIT TO OPERATE
AIR-PROD & CHEM INC**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- E57.1 The operator shall vent this equipment to the fire-box of the reformer heater whenever the hydrogen plant is in operation, except during startup, shutdown, or emergency.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D24]

- E57.2 The operator shall vent this equipment to an air pollution control equipment consisting of a selective catalytic reduction (SCR) system which is in full use whenever this equipment is in operation, except during startup or shutdown period. Startup or shutdown period, excluding the refractory dry-out period, shall not exceed 48 consecutive hours. If the heater exhaust reaches 570 degree F, the flue gas shall be vented through the SCR system using ammonia injection. Refractory dryout and steam blows shall be permitted up to a total of 144 consecutive hours to allow the curing of refractory materials and blow out of steam lines.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D30]

- E71.1 The operator shall not use this equipment to process any feed gas except commercial pipe-line quality natural gas.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D4]

- E336.1 The operator shall vent the vent gases from this equipment as follows:

All PSA purge gases shall be directed to the reformer heater, except during startup, shutdown, or emergency. Atmospheric venting of product hydrogen and carbon monoxide shall be permitted only during periods of emergency, startup, shutdown or unforeseen turndown of hydrogen demand; provided that such discharges do no endanger the health and safety of any person or the public, or cause damage to business or property.

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D20]

H. Applicable Rules



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	407

This rule applies during normal operation, startup, shutdown, and unforeseen turndown of hydrogen demand.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; RULE 407, 4-2-1982]

[Devices subject to this condition : D20, D23, D24, D30, C32, C33]

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
CO	District Rule	1146

This rule applies during normal operation and unforeseen turndown of hydrogen demand.

[RULE 1146, 11-17-2000; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D30]

K. Record Keeping/Reporting



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The operator shall comply with the terms and conditions set forth below:

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

During startup, shutdown and dry-out/steam blow periods, the hourly firing rates, flue gas temperature, process feed flow rates, inlet and outlet process fluid temperatures, excess oxygen and NOX emissions.

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D30]



SECTION I: PLANS AND SCHEDULES

This section lists all plans approved by AQMD for the purposes of meeting the requirements of applicable AQMD rules.

NONE

NOTE: This section does not list compliance schedules pursuant to the requirements of Regulation XXX - Title V Permits; Rule 3004(a)(10)(C). For equipment subject to a variance, order for abatement, or alternative operating condition granted pursuant to Rule 518.2, equipment specific conditions are added to the equipment in Section D or H of the permit.



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SECTION J: AIR TOXICS

NOT APPLICABLE



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION K: TITLE V Administration

GENERAL PROVISIONS

1. This permit may be revised, revoked, reopened and reissued, or terminated for cause, or for failure to comply with regulatory requirements, permit terms, or conditions. [3004(a)(7)(C)]
2. This permit does not convey any property rights of any sort or any exclusive privilege. [3004(a)(7)(E)]

Permit Renewal and Expiration

3. (A) Except for solid waste incineration facilities subject to standards under Section 129(e) of the Clean Air Act, this permit shall expire five years from the date that the initial Title V permit is issued. The operator's right to operate under this permit terminates at midnight on this date, unless the facility is protected by an application shield in accordance with Rule 3002(b), due to the filing of a timely and complete application for a Title V permit renewal, consistent with Rule 3003. [3004(a)(2), 3004(f)]
- (B) A Title V permit for a solid waste incineration facility combusting municipal waste subject to standards under Section 129(e) of the Clean Air Act shall expire 12 years from the date of issuance unless such permit has been renewed pursuant to this regulation. These permits shall be reviewed by the Executive Officer at least every five years from the date of issuance. [3004(f)(2)]
4. To renew this permit, the operator shall submit to the Executive Officer an application for renewal at least 180 days, but not more than 545 days, prior to the expiration date of this permit. [3003(a)(6)]

Duty to Provide Information

5. The applicant for, or holder of, a Title V permit shall furnish, pursuant to Rule 3002(d) and (e), timely information and records to the Executive Officer or designee within a reasonable time as specified in writing by the Executive Officer or designee. [3004(a)(7)(F)]

Payment of Fees

6. The operator shall pay all required fees specified in Regulation III - Fees. [3004(a)(7)(G)]

Reopening for Cause

7. The Executive Officer will reopen and revise this permit if any of the following circumstances occur:
 - (A) Additional regulatory requirements become applicable with a remaining permit term of three or more years. Reopening is not required if the effective date of the requirement is later than the expiration date of this permit, unless the permit or any of its terms and conditions has been extended pursuant to paragraph (f)(4) of Rule 3004.



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION K: TITLE V Administration

- (B) The Executive Officer or EPA Administrator determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.
- (C) The Executive Officer or EPA Administrator determines that the permit must be revised or revoked to assure compliance with the applicable requirements. [3005(g)(1)]

COMPLIANCE PROVISIONS

- 8. The operator shall comply with all regulatory requirements, and all permit terms and conditions, except:
 - (A) As provided for by the emergency provisions of condition no. 17 or condition no. 18, or
 - (B) As provided by an alternative operating condition granted pursuant to a federally approved (SIP-approved) Rule 518.2.

Any non-compliance with any federally enforceable permit condition constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or denial of a permit renewal application. Non-compliance may also be grounds for civil or criminal penalties under the California State Health and Safety Code. [3004(a)(7)(A)]

- 9. The operator shall allow the Executive Officer or authorized representative, upon presentation of appropriate credentials to:
 - (A) Enter the operator's premises where emission-related activities are conducted, or records are kept under the conditions of this permit;
 - (B) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
 - (C) Inspect at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
 - (D) Sample or monitor at reasonable times, substances or parameters for the purpose of assuring compliance with the facility permit or regulatory requirements. [3004(a)(10)(B)]
- 10. All terms and conditions in this permit, including any provisions designed to limit a facility's potential to emit, are enforceable by the EPA Administrator and citizens under the federal Clean Air Act, unless the term or condition is designated as not federally enforceable. Each day during any portion of which a violation occurs is a separate offense. [3004(g)]



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**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

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11. A challenge to any permit condition or requirement raised by EPA, the operator, or any other person, shall not invalidate or otherwise affect the remaining portions of this permit. [3007(b)]
12. The filing of any application for a permit revision, revocation, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition. [3004(a)(7)(D)]
13. It shall not be a defense for a person in an enforcement action, including those listed in Rule 3002(c)(2), that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit, except as provided for in "Emergency Provisions" of this section. [3004(a)(7)(H)]
14. The operator shall not build, erect, install, or use any equipment, the use of which, without resulting in a reduction in the total release of air contaminants to atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the California Health and Safety Code or of AQMD rules. This rule shall not apply to cases in which the only violation involved is of Section 41700 of the California Health and Safety Code, or Rule 402 of AQMD Rules. [408]
15. Nothing in this permit or in any permit shield can alter or affect:
 - (A) Under Section 303 of the federal Clean Air Act, the provisions for emergency orders;
 - (B) The liability of the operator for any violation of applicable requirements prior to or at the time of permit issuance;
 - (C) The applicable requirements of the Acid Rain Program, Regulation XXXI;
 - (D) The ability of EPA to obtain information from the operator pursuant to Section 114 of the federal Clean Air Act;
 - (E) The applicability of state or local requirements that are not "applicable requirements", as defined in Rule 3000, at the time of permit issuance but which do apply to the facility, such as toxics requirements unique to the State; and
 - (F) The applicability of regulatory requirements with compliance dates after the permit issuance date. [3004(c)(3)]
16. For any portable equipment that requires an AQMD or state permit or registration, excluding a) portable engines, b) military tactical support equipment and c) AQMD-permitted portable equipment that are not a major source, are not located at the facility for more than 12 consecutive months after



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commencing operation, and whose operation does not conflict with the terms or conditions of this Title V permit: 1) the facility operator shall keep a copy of the AQMD or state permit or registration; 2) the equipment operator shall comply with the conditions on the permit or registration and all other regulatory requirements; and 3) the facility operator shall treat the permit or registration as a part of its Title V permit, subject to recordkeeping, reporting and certification requirements. [3004(a)(1)]



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EMERGENCY PROVISIONS

17. An emergency¹ constitutes an affirmative defense to an action brought for non-compliance with a technology-based emission limit only if:
- (A) Properly signed, contemporaneous operating records or other credible evidence demonstrate that:
 - (1) An emergency occurred and the operator can identify the cause(s) of the emergency;
 - (2) The facility was operated properly (i.e. operated and maintained in accordance with the manufacturer's specifications, and in compliance with all regulatory requirements or a compliance plan), before the emergency occurred;
 - (3) The operator took all reasonable steps to minimize levels of emissions that exceeded emissions standard, or other requirements in the permit; and,
 - (4) The operator submitted a written notice of the emergency to the AQMD within two working days of the time when the emissions limitations were exceeded due to the emergency. The notice shall contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken; and
 - (B) The operator complies with the breakdown provisions of Rule 430 - Breakdown Provisions, or subdivision (i) of Rule 2004 - Requirements, whichever is applicable. [3002(g), 430, 2004(i)]
18. The operator is excused from complying with any regulatory requirement that is suspended by the Executive Officer during a state of emergency or state of war emergency, in accordance with Rule 118 - Emergencies. [118]

¹ "Emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the operator, including acts of God, which: (A) requires immediate corrective action to restore normal operation; and (B) causes the facility to exceed a technology-based emission limitation under the permit, due to unavoidable increases in emissions attributable to the emergency; and (C) is not caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.



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RECORDKEEPING PROVISIONS

19. In addition to any other recordkeeping requirements specified elsewhere in this permit, the operator shall keep records of required monitoring information, where applicable, that include:
 - (A) The date, place as defined in the Title V permit, and time of sampling or measurements;
 - (B) The date(s) analyses were performed;
 - (C) The company or entity that performed the analyses;
 - (D) The analytical techniques or methods used;
 - (E) The results of such analyses; and
 - (F) The operating conditions as existing at the time of sampling or measurement. [3004(a)(4)(B)]
20. The operator shall maintain records pursuant to Rule 109 and any applicable material safety data sheet (MSDS) for any equipment claimed to be exempt from a written permit by Rule 219 based on the information in those records. [219(t)]
21. The operator shall keep all records of monitoring data required by this permit or by regulatory requirements for a period of at least five years from the date of the monitoring sample, measurement, report, or application. [3004(a)(4)(E)]

REPORTING PROVISIONS

22. The operator shall comply with the following requirements for prompt reporting of deviations:
 - (A) Breakdowns shall be reported as required by Rule 430 - Breakdown Provisions or subdivision (i) of Rule 2004 - Requirements, whichever is applicable.
 - (B) Other deviations from permit or applicable rule emission limitations, equipment operating conditions, or work practice standards, determined by observation or by any monitoring or testing required by the permit or applicable rules that result in emissions greater than those allowed by the permit or applicable rules shall be reported within 72 hours (unless a shorter reporting period is specified in an applicable State or Federal Regulation) of discovery of the deviation by contacting AQMD enforcement personnel assigned to this facility or otherwise calling (800) CUT-SMOG.



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- (C) A written report of such deviations reported pursuant to (B), and any corrective actions or preventative measures taken, shall be submitted to AQMD, in an AQMD approved format, within 14 days of discovery of the deviation.
 - (D) All other deviations shall be reported with the monitoring report required by condition no. 23. [3004(a)(5)]
23. Unless more frequent reporting of monitoring results are specified in other permit conditions or in regulatory requirements, the operator shall submit reports of any required monitoring to the AQMD at least twice per year. The report shall include a) a statement whether all monitoring required by the permit was conducted; and b) identification of all instances of deviations from permit or regulatory requirements. A report for the first six calendar months of the year is due by August 31 and a report for the last six calendar months of the year is due by February 28. [3004(a)(4)(F)]
24. The operator shall submit to the Executive Officer and to the Environmental Protection Agency (EPA), an annual compliance certification. For RECLAIM facilities, the certification is due when the Annual Permit Emissions Program (APEP) report is due and shall cover the same reporting period. For other facilities, the certification is due on March 1 for the previous calendar year. The certification need not include the period preceding the date the initial Title V permit was issued. Each compliance certification shall include:
- (A) Identification of each permit term or condition that is the basis of the certification;
 - (B) The compliance status during the reporting period;
 - (C) Whether compliance was continuous or intermittent;
 - (D) The method(s) used to determine compliance over the reporting period and currently, and
 - (E) Any other facts specifically required by the Executive Officer to determine compliance.

The EPA copy of the certification shall be sent to: Director of the Air Division Attn: Air-3 USEPA, Region IX 75 Hawthorne St. San Francisco, CA 94105 [3004(a)(10)(E)]

25. All records, reports, and documents required to be submitted by a Title V operator to AQMD or EPA shall contain a certification of accuracy consistent with Rule 3003(c)(7) by a responsible official (as defined in Rule 3000). [3004(a)(12)]

PERMIT TO OPERATE
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PERIODIC MONITORING

26. All periodic monitoring required by this permit pursuant to Rule 3004(a)(4)(c) is based on the requirements and justifications in the AQMD document "Periodic Monitoring Guidelines for Title V Facilities" or in case-by-case determinations documented in the Title V application file. [3004(a)(4)]

To provide the compliance status of your facility with applicable federally enforceable requirements and identify other local-only requirements, complete this form and attach it to a completed compliance certification Form 500-A2. As appropriate, all submittals of Form 500-C2 as appropriate should also be attached to this form.

Section I Facility Identification

1. Facility Name: AIR PROD CARSON HYDROGEN PLANT

Facility ID (6-Digit): 3417

PROCEDURES FOR DETERMINING COMPLIANCE STATUS

- Equipment verification:** Review the list of pending applications, and either the preliminary Title V facility permit or the list of current permits to operate that the AQMD provided you, to determine if they completely and accurately describe all equipment operating at the facility. Attach a statement to describe any discrepancies.
- Identify applicable requirements*:** Use the checklist in Section II to identify all applicable and federally-enforceable local, state, and federal rules and regulations, test methods, and monitoring, recordkeeping and reporting (MRR) requirements that apply to any equipment or process (including equipment exempt from a permit by Rule 219) at your facility. The potential applicable requirements, test methods and MRR requirements are identified and listed adjacent to each given equipment/process description. Check off each box adjacent to the corresponding requirement as it applies to your particular equipment/process.
Note: Even if there is only one piece of equipment that is subject to a particular requirement, the appropriate box should be checked.
- Identify additional applicable requirements*:** Use Section III to identify any additional requirements not found in Section II. Section II is not a complete list of all applicable requirements. It does not include recently adopted NESHAP regulations by EPA or recent amendments to AQMD rules. Do not add rules listed in Section V here.
- Identify any requirements that do not apply to a specific piece of equipment or process:** Also use Section III to identify any requirements that are listed in Section II but that do not apply to a specific piece of equipment or process. Fill out Section III of this form and attach a separate sheet to explain the reason(s) why the identified rules do not apply. Note: Listing any requirement that does not apply to a specific piece of equipment will not provide the facility with a permit shield unless one is specifically requested by completing Form 500-D and is approved by AQMD.
- Identify SIP-approved rules that are not current AQMD rules:** Use Section IV to identify older versions of current AQMD rules that are the EPA-approved versions in the State Implementation Plan (SIP), and that are still applicable requirements as defined by EPA. The facility is not required to certify compliance with the items checked in Section IV.
- Identify Local-Only Enforceable Regulatory Requirements:** Use Section V to identify AQMD rules that are not SIP-approved and are not federally enforceable.
- Determine compliance:** Determine if all equipment and processes are complying with all requirements identified in Sections II and III. If each piece of equipment complies with all applicable requirements, complete and attach Form 500-A2 to certify the compliance status of the facility. If any piece of equipment is not in compliance with any of the applicable requirements, complete and attach Form 500-C2 in addition to Form 500-A2.

* The following AQMD rules and regulations are not required to be included in Section II and do not have to be added to Section III: Regulation I, List and Criteria in Regulation II, Rule 201, Rule 201.1, Rule 202, Rule 203, Rule 205, Rule 206, Rule 207, Rule 208, Rule 209, Rule 210, Rule 212, Rule 214, Rule 215, Rule 216, Rule 217, Rule 219, Rule 220, Rule 221, Regulation III, Regulation V, Regulation VIII, Regulation XII, Regulation XV, Regulation XVI, Regulation XIX, Regulation XXI, Regulation XXII, and Regulation XXX.

Section III Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> All Air Pollution Control Equipment Using Combustion (RECLAIM & non-RECLAIM sources)	<input type="checkbox"/> Rule 480 (10/07/77)	N/A	N/A
<input type="checkbox"/> All Coating Operations	<input type="checkbox"/> Rule 442 (12/15/00)	<input type="checkbox"/> AQMD TM 25.1	
<input type="checkbox"/> All Combustion Equipment, ≥ 555 Mmbtu/Hr (except for NOx RECLAIM sources)	<input type="checkbox"/> Rule 474 (12/04/81)	<input type="checkbox"/> AQMD TM 7.1 or 100.1	
<input checked="" type="checkbox"/> All Combustion Equipment Except Internal Combustion Engines (RECLAIM & non-RECLAIM sources)	<input checked="" type="checkbox"/> Rule 407 (04/02/82) <input checked="" type="checkbox"/> Rule 409 (08/07/81)	<input checked="" type="checkbox"/> AQMD TM 100.1 or 10.1, 307-91 <input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input checked="" type="checkbox"/> All Combustion Equipment Using Gaseous Fuel (except SOx RECLAIM sources)	<input checked="" type="checkbox"/> Rule 431.1 (06/12/98)	<input type="checkbox"/> Rule 431.1(f)	<input type="checkbox"/> Rule 431.1(d) & (e)
<input checked="" type="checkbox"/> All Combustion Equipment Using Liquid Fuel (except SOx RECLAIM sources)	<input checked="" type="checkbox"/> Rule 431.2 (09/15/00)	<input type="checkbox"/> Rule 431.2(d)	<input type="checkbox"/> Rule 431.2(c)
<input type="checkbox"/> All Combustion Equipment Using Fossil Fuel (except SOx RECLAIM sources)	<input type="checkbox"/> Rule 431.3 (05/07/76)		
<input checked="" type="checkbox"/> All Equipment	<input checked="" type="checkbox"/> Rule 401 (11/09/01) <input checked="" type="checkbox"/> Rule 405 (02/07/86) <input checked="" type="checkbox"/> Rule 408 (05/07/76) <input checked="" type="checkbox"/> Rule 430 (07/12/96) <input checked="" type="checkbox"/> Rule 701 (06/13/97) <input checked="" type="checkbox"/> New Source Review, BACT <input checked="" type="checkbox"/> Rule 1703 (10/07/88) <input checked="" type="checkbox"/> 40 CFR68 - Accidental Release Prevention	<input checked="" type="checkbox"/> California Air Resources Board Visible Emission Evaluation <input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 N/A See Applicable Subpart	<input checked="" type="checkbox"/> Rule 430(b) See Applicable Subpart
<input type="checkbox"/> All Equipment Processing Solid Materials	<input type="checkbox"/> Rule 403 (12/11/98)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f)
<input checked="" type="checkbox"/> All Equipment With Exhaust Stack (except cement kilns subject to Rule 1112.1)	<input checked="" type="checkbox"/> Rule 404 (02/07/86)	<input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input checked="" type="checkbox"/> All Facilities Using Solvents to Clean Various Items or Equipment	<input checked="" type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART T	<input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input checked="" type="checkbox"/> All RECLAIM Equipment (NOx & SOx)	<input checked="" type="checkbox"/> Reg. XX - RECLAIM	<input type="checkbox"/> Rule 2011, App. A (05/11/01) <input checked="" type="checkbox"/> Rule 2012, App. A (05/11/01)	<input type="checkbox"/> Rule 2011, App. A (05/11/01) <input checked="" type="checkbox"/> Rule 2012, App. A (05/11/01)
<input checked="" type="checkbox"/> Abrasive Blasting	<input checked="" type="checkbox"/> Rule 1140 (08/02/85)	<input checked="" type="checkbox"/> Rule 1140(d), AQMD Visible Emission Method	
<input type="checkbox"/> Appliances Containing Ozone Depleting Substances (except Motor Vehicle Air Conditioners): Manufacturing, Repair, Maintenance, Service, & Disposal	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Asphalt	See Manufacturing, Asphalt Processing & Asphalt Roofing		
<input type="checkbox"/> Asphalt Concrete/Batch Plants	<input type="checkbox"/> 40 CFR60 SUBPART I	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Benzene Emissions, Maleic Anhydride Plants, Ethylbenzene/Styrene Plants, Benzene Storage	<input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> Rule 1176 (09/13/96)	<input type="checkbox"/> Rule 1173(h) <input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1173(g) <input type="checkbox"/> Rule 1176(f) & (g)

KEY ABBREVIATIONS:	Reg. = AQMD Regulation Rule = AQMD Rule	App. = Appendix AQMD TM = AQMD Test Method	CFR = Code of Federal Regulations CCR = California Code of Regulations	AQMD Form 500-C1	Rev. 03/02 Page 2 of 14
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Section I Applicable Requirements, Res. Mts. & MRR Requirements		MRR Requirements	
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
Vessels, Benzene Equipment Leaks, & Coke By-Product Recovery Plants	<input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART Y <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Benzene Transfer Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR61 SUBPART BB <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(e) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Benzene Waste Operations	<input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR61 SUBPART FF <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions	<input type="checkbox"/> 40 CFR61 SUBPART C	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions, Rocket Motor Firing	<input type="checkbox"/> 40 CFR61 SUBPART D	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94) <input type="checkbox"/> Rule 1146.2 (01/09/98)	<input type="checkbox"/> Rule 1146.1(d)	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3)
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94) - excluding NOx requirements	<input type="checkbox"/> Rule 1146.1(d)	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3)
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1146(c)(2) & (c)(3) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input checked="" type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) - excluding NOx requirements <input checked="" type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements <input checked="" type="checkbox"/> Rule 2011 (05/11/01) or Rule 2012 (05/11/01) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input checked="" type="checkbox"/> Rule 1146(d) <input checked="" type="checkbox"/> Rule 2011, App. A (05/11/01) or Rule 2012, App. A (05/11/01) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1146(c)(2) & (c)(3) <input checked="" type="checkbox"/> Rule 2011, App. A (05/11/01) or Rule 2012, App. A (05/11/01) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boiler, Petroleum Refining (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 431.1 (06/12/98) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART J	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 431.1(f) <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart	<input type="checkbox"/> Rule 218(e) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 431.1(d) & (e) <input type="checkbox"/> Rule 1146(c)(2) & (c)(3) See Applicable Subpart
<input type="checkbox"/> Boiler, Petroleum Refining (RECLAIM sources)	<input type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements	<input type="checkbox"/> Rule 1146(d)	<input type="checkbox"/> Rule 1146(c)(2) & (c)(3)

Section II Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Boilers, Electric Utility (non-RECLAIM sources)	<input type="checkbox"/> Rule 2011 (05/11/01) or Rule 2012 (05/11/01) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 1135 (07/19/91) <input type="checkbox"/> 40 CFR60 SUBPART Db	<input type="checkbox"/> Rule 2011, App. A (05/11/01) or Rule 2012, App. A (05/11/01) See Applicable Subpart <input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 1135(e) See Applicable Subpart	<input type="checkbox"/> Rule 2011, App. A (05/11/01) or Rule 2012, App. A (05/11/01) See Applicable Subpart <input type="checkbox"/> Rule 218(e) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1135(e) See Applicable Subpart
<input type="checkbox"/> Boilers, Electric Utility (RECLAIM sources)	<input type="checkbox"/> Rule 2012 (05/11/01) <input type="checkbox"/> 40 CFR60 SUBPART Db	<input type="checkbox"/> Rule 2012, App. A (05/11/01) See Applicable Subpart	<input type="checkbox"/> Rule 2012, App. A (05/11/01) See Applicable Subpart
<input type="checkbox"/> Bulk Loading Of Organic Liquids	<input type="checkbox"/> Rule 462 (05/14/99) <input type="checkbox"/> 40 CFR60 SUBPART XX <input type="checkbox"/> 40 CFR63 SUBPART R	<input type="checkbox"/> Rule 462(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 462(g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Calciner, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Calciner, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81) <input type="checkbox"/> Rule 1119 (03/02/79) <input type="checkbox"/> 40 CFR63 SUBPART L	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 6.1 or 100.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Charbroilers	<input type="checkbox"/> Rule 1174 (10/05/90) <input type="checkbox"/> Rule 1138 (11/14/97)	<input type="checkbox"/> AQMD Test Protocol <input type="checkbox"/> Rule 1138(g)	<input type="checkbox"/> Rule 1138(d)
<input type="checkbox"/> Chrome Plating & Chromic Acid Anodizing Operation	<input type="checkbox"/> Rule 1469 (10/09/98)	<input type="checkbox"/> Rule 1469(d)	<input type="checkbox"/> Rule 1469(e), (h) & (i)
<input type="checkbox"/> Coating Operation, Adhesive Application Operation	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1168 (08/15/00) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR60 SUBPART RR	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1168(f), & (g) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1168(e) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Aerospace Assembly & Component Manufacturing	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1124 (09/21/01) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART GG	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1124(e) & (f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1124(j) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Graphic Arts (Gravure, Letter Press, Flexographic & Lithographic Printing Process, Etc.)	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130 (10/08/99) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR60 SUBPART QQ <input type="checkbox"/> 40 CFR60 SUBPART RR <input type="checkbox"/> 40 CFR60 SUBPART FFF <input type="checkbox"/> 40 CFR60 SUBPART VVV	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1130(h) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1130(e) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart

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EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Coating Operation, Magnet Wire Coating Operations	<input type="checkbox"/> 40 CFR63 SUBPART KK <input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1126 (01/13/95) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99)	See Applicable Subpart <input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1126(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	See Applicable Subpart <input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1126(c)(4) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7)
<input type="checkbox"/> Coating Operation, Marine Coating (Except for recreational equipment)	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106 (01/13/95) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1106(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1106(c)(5) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Coating	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1107 (11/09/01) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART EE <input type="checkbox"/> 40 CFR60 SUBPART SS	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1107(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1107(k) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Containers, Closure, & Coil Coating Operations	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1125 (01/13/95) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR60 SUBPART TT <input type="checkbox"/> 40 CFR60 SUBPART WW	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1125(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1125(c)(6) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Motor Vehicle & Mobile Equipment Non-Assembly Line Coating Operation	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1151 (12/11/98) <input type="checkbox"/> Rule 1171 (10/08/99)	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1151(g) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1151(f) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7)
<input type="checkbox"/> Coating Operation, Motor Vehicle Assembly Line	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1115 (05/12/95) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR60 SUBPART MM	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1115(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1115(g) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Paper, Fabric, & Film Coating Operations	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1128 (03/08/96) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99)	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1128(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1128(e) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7)

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Section II Applicable Requirements Test Methods MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Coating Operation, Plastic, Rubber, & Glass	<input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1145 (02/14/97) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR60 SUBPART TTT	See Applicable Subpart <input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1145(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	See Applicable Subpart <input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1145(d) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Pleasure Craft	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106.1 (02/12/99) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1106.1(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1106.1(d) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Screen Printing	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130.1 (12/13/96) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART KK	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1130.1(g) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1130.1(c)(5) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input checked="" type="checkbox"/> Coating Operation, Use Of Architectural Coating (Stationary Structures)	<input type="checkbox"/> Rule 481 (01/11/02) <input checked="" type="checkbox"/> Rule 1113 (07/20/01) <input type="checkbox"/> Rule 1132 (01/19/01) <input checked="" type="checkbox"/> Rule 1171 (10/08/99)	Manufacturer's Specifications <input checked="" type="checkbox"/> Rule 1113(e) <input type="checkbox"/> Rule 1132(f) <input checked="" type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1132(g) <input checked="" type="checkbox"/> Rule 1171(c)(7)
<input type="checkbox"/> Coating Operation, Wood Flat Stock	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1104 (08/13/99) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1104(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1104(d) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Wood Products (Commercial Furniture, Cabinets, Shutters, Frames, Toys)	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1136 (06/14/96) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART JJ	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1136(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1136(d) & (g) & Rule 109 <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coater	See Coating Operations		
<input type="checkbox"/> Columns	See Petroleum Refineries, Fugitive Emissions		
<input checked="" type="checkbox"/> Compressors	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Concrete Batch Plants	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Consumer Product Manufacturing	See Manufacturing, Consumer Product		
<input checked="" type="checkbox"/> Cooling Tower, Hexavalent Chromium	<input type="checkbox"/> 40 CFR63 SUBPART Q	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Crude Oil Production	See Oil Well Operations		

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EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Crusher	See Nonmetallic Mineral Processing Plants		
<input checked="" type="checkbox"/> Degreasers	<input type="checkbox"/> Rule 1122 (09/21/01) <input checked="" type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART T	<input type="checkbox"/> Rule 1122(i) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 1122(j) & Rule 109 <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Dry Cleaning, Perchloroethylene	<input type="checkbox"/> Rule 1421 (06/13/97)	<input type="checkbox"/> Rule 1421(e), (g), (h), & (i)	<input type="checkbox"/> Rule 1421(j)
<input type="checkbox"/> Dry Cleaning, Petroleum Solvent	<input type="checkbox"/> Rule 1102 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART JJJ	<input type="checkbox"/> Rule 1102(g) See Applicable Subpart	<input type="checkbox"/> Rule 1102(f) & Rule 109 See Applicable Subpart
<input type="checkbox"/> Dryers, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Ethylene Oxide Sterilizer	See Sterilizer, Ethylene Oxide		
<input checked="" type="checkbox"/> Flanges	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Fluid Catalytic Cracking Unit	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1105 (09/01/84)	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> Rule 1105(c)(1)	<input type="checkbox"/> Rule 218(e) <input type="checkbox"/> Rule 1105(c)(2)
<input type="checkbox"/> Fugitive Emissions, Benzene	<input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1173(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1173(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input checked="" type="checkbox"/> Fugitive Emissions, Chemical Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> 40 CFR60 SUBPART VV <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Natural Gas Processing Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> 40 CFR60 SUBPART KKK <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Oil & Gas Production	<input type="checkbox"/> Rule 466 (10/07/83)	<input type="checkbox"/> Rule 466(f)	<input type="checkbox"/> Rule 466(e)

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Section II Applicable Requirements, Test Method, MRR Requirement			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input checked="" type="checkbox"/> Heaters, Process	See Boilers		
<input type="checkbox"/> Incinerators	<input type="checkbox"/> 40 CFR60 SUBPART E	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Inorganic Arsenic Emissions, Arsenic Trioxide & Metallic Arsenic Production Facilities	<input type="checkbox"/> 40 CFR61 SUBPART P	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Kiln, Cement Plant	<input type="checkbox"/> Rule 1112.1 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART F	N/A See Applicable Subpart	N/A See Applicable Subpart
<input type="checkbox"/> Landfills	<input type="checkbox"/> Rule 1150 (10/15/82) <input type="checkbox"/> Rule 1150.1 (03/17/00) <input type="checkbox"/> 40 CFR60 SUBPART WWW	<input type="checkbox"/> Rule 1150.1(j) See Applicable Subpart	<input type="checkbox"/> Rule 1150.1(e) & (f) See Applicable Subpart
<input type="checkbox"/> Lead Acid Battery Manufacturing Plants	See Manufacturing, Lead Acid Battery		
<input type="checkbox"/> Manufacturing, Asphalt Processing & Asphalt Roofing	<input type="checkbox"/> Rule 1108 (02/01/85) <input type="checkbox"/> Rule 1108.1 (11/04/83) <input type="checkbox"/> Rule 470 (05/07/76) <input type="checkbox"/> 40 CFR60 SUBPART UU	<input type="checkbox"/> Rule 1108(b) <input type="checkbox"/> Rule 1108.1 (b) N/A See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Coatings & Ink Manufacturing (SIC Code 2851)	<input type="checkbox"/> Rule 1141.1 (11/17/00)	N/A	<input type="checkbox"/> Rule 1141.1(c)
<input type="checkbox"/> Manufacturing, Consumer Product	<input type="checkbox"/> Title 17 CCR 94500		
<input type="checkbox"/> Manufacturing, Food Product	<input type="checkbox"/> Rule 1131 (09/15/00)	<input type="checkbox"/> Rule 1131(e)	<input type="checkbox"/> Rule 1131(d)
<input type="checkbox"/> Manufacturing, Glass	<input type="checkbox"/> Rule 1117 (01/06/84) <input type="checkbox"/> 40 CFR60 SUBPART CC <input type="checkbox"/> 40 CFR61 SUBPART N	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Lead-Acid Battery	<input type="checkbox"/> 40 CFR60 SUBPART KK	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Magnetic Tape Industry	<input type="checkbox"/> 40 CFR60 SUBPART SSS <input type="checkbox"/> 40 CFR63 SUBPART EE	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Nitric Acid	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1159 (12/06/85) <input type="checkbox"/> 40 CFR60 SUBPART G	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> AQMD TM 7.1 or 100.1 See Applicable Subpart	<input type="checkbox"/> Rule 218(e) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Polymer Industry	<input type="checkbox"/> 40 CFR60 SUBPART DDD <input type="checkbox"/> 40 CFR63 SUBPART W	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Polymeric Cellular Foam	<input type="checkbox"/> Rule 1175 (05/13/94)	<input type="checkbox"/> Rule 1175(f)	<input type="checkbox"/> Rule 1175(e)
<input type="checkbox"/> Manufacturing, Products Containing Halon Blends	<input type="checkbox"/> 40 CFR82 SUBPART H	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Products Containing Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART A <input type="checkbox"/> 40 CFR82 SUBPART E	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Resin	<input type="checkbox"/> Rule 1141 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART W	<input type="checkbox"/> Rule 1141(d) See Applicable Subpart	<input type="checkbox"/> Rule 1141(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Semiconductors	<input type="checkbox"/> Rule 1164 (01/13/95) <input type="checkbox"/> Rule 1171 (10/08/99)	<input type="checkbox"/> Rule 1164(e) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1164(c)(5) <input type="checkbox"/> Rule 1171(c)(7)
<input type="checkbox"/> Manufacturing, Solvent	<input type="checkbox"/> Rule 443 (05/07/76)		
<input type="checkbox"/> Manufacturing, Sulfuric Acid	<input type="checkbox"/> Rule 469 (02/12/81) <input type="checkbox"/> 40 CFR60 SUBPART H <input type="checkbox"/> 40 CFR60 SUBPART Cb	<input type="checkbox"/> AQMD TM 6.1 or 6.2 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart

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<input type="checkbox"/> Manufacturing, Surfactant	<input type="checkbox"/> Rule 1141.2 (01/11/02)	<input type="checkbox"/> AQMD TM 25.1	
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes	<input type="checkbox"/> 40 CFR60 SUBPART III <input type="checkbox"/> 40 CFR60 SUBPART NNN	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes	<input type="checkbox"/> 40 CFR60 SUBPART RRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Vinyl Chloride	<input type="checkbox"/> 40 CFR61 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Wool Fiberglass Insulation	<input type="checkbox"/> 40 CFR60 SUBPART PPP	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Marine Tank Vessel Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(e) See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart
<input type="checkbox"/> Mercury Emissions	<input type="checkbox"/> 40 CFR61 SUBPART E	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Motor Vehicle Air Conditioners with Ozone Depleting Substances (ODS): Repair, Service, Manufacturing, Maintenance, or Disposal	<input type="checkbox"/> 40 CFR82 SUBPART B <input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Municipal Waste Combustors	<input type="checkbox"/> 40 CFR60 SUBPART Cb <input type="checkbox"/> 40 CFR60 SUBPART Ea <input type="checkbox"/> 40 CFR60 SUBPART Eb	See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Negative Air Machines/HEPA, Asbestos	<input type="checkbox"/> 40 CFR61 SUBPART M	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Nonmetallic Mineral Processing Plants	<input type="checkbox"/> Rule 404 (02/07/86) <input type="checkbox"/> Rule 405 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART OOO	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Off-site Waste and Recovery Operation	<input type="checkbox"/> 40 CFR63 SUBPART DD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Oil Well Operation	<input type="checkbox"/> Rule 1148 (11/05/82)	<input type="checkbox"/> AQMD TM 25.1	
<input type="checkbox"/> Onshore Natural Gas Processing, SO ₂ Emissions	<input type="checkbox"/> 40 CFR60 SUBPART LLL	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Open Fires	<input type="checkbox"/> Rule 444 (12/21/01)		
<input type="checkbox"/> Open Storage, Petroleum Coke	<input type="checkbox"/> Rule 403 (12/11/98) <input type="checkbox"/> Rule 403.1 (06/16/00) <input type="checkbox"/> Rule 1158 (06/11/99)	<input type="checkbox"/> Rule 403(d)(4) <input type="checkbox"/> Rule 1158(h)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f) <input type="checkbox"/> Rule 1158(j)
<input type="checkbox"/> Open Storage	<input type="checkbox"/> Rule 403 (12/11/98) <input type="checkbox"/> Rule 403.1 (06/16/00)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f)
<input type="checkbox"/> Outer Continental Shelf Platform	<input type="checkbox"/> Rule 1183 (03/12/93) <input type="checkbox"/> 40 CFR55	<input type="checkbox"/> 40 CFR55 See Applicable Subpart	<input type="checkbox"/> 40 CFR55 See Applicable Subpart
<input type="checkbox"/> Oven, Commercial Bakery	<input type="checkbox"/> Rule 1153 (01/13/95)	<input type="checkbox"/> Rule 1153(h)	<input type="checkbox"/> Rule 1153(g)
<input type="checkbox"/> Oven, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81) <input type="checkbox"/> 40 CFR63 SUBPART L	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Ozone Depleting Substances (ODS) or Alternative ODS, Use	<input type="checkbox"/> 40 CFR82 Subpart G	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries	<input type="checkbox"/> Rule 218 (05/14/99)	<input type="checkbox"/> AQMD TM 100.1	<input type="checkbox"/> Rule 218(e)

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EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> Rule 465 (08/13/99) <input type="checkbox"/> Rule 468 (10/08/76) <input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> Rule 1123 (12/07/90) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> Title 13 CCR 2250	<input type="checkbox"/> AQMD TM 6.1 or 6.2 <input type="checkbox"/> AQMD TM 6.1 or 6.2 N/A See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1123(c) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Fugitive Emissions	<input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> 40 CFR60 SUBPART GGG <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1173(h) <input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1173(g) <input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Storage Tanks	<input type="checkbox"/> Rule 463 (03/11/94) <input type="checkbox"/> Rule 1178 (02/12/02) <input type="checkbox"/> 40 CFR60 SUBPART K <input type="checkbox"/> 40 CFR60 SUBPART Ka <input type="checkbox"/> 40 CFR60 SUBPART Kb <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 463(g) N/A See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 463(e)(5) <input type="checkbox"/> Rule 1178(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Wastewater Systems	<input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> 40 CFR60 SUBPART QQQ <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1176(h) N/A See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Pharmaceuticals & Cosmetics Manufacturing	<input type="checkbox"/> Rule 1103 (03/12/99)	<input type="checkbox"/> Rule 1103(f)	<input type="checkbox"/> Rule 1103(e)
<input type="checkbox"/> Polyester Resin Operation	<input type="checkbox"/> Rule 1162 (11/09/01) <input type="checkbox"/> Rule 1171 (10/08/99)	<input type="checkbox"/> Rule 1162(f) & (g) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1162(e) <input type="checkbox"/> Rule 1171(c)(7)
<input type="checkbox"/> Printing Press	See Coating Operations		
<input checked="" type="checkbox"/> Pumps	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
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Section II Applicable Requirements, Test Method, MRR Requirement			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Recycling & Recovery Equipment for Ozone Depleting Substances (ODS),	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Refrigerant Reclaimers for Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Rendering Plant	<input type="checkbox"/> Rule 472 (05/07/76)	N/A	<input type="checkbox"/> Rule 472(b)
<input type="checkbox"/> Rock Crushing	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Sewage Treatment Plants	See Public Owned Treatment Works Operation		
<input type="checkbox"/> Smelting, Secondary Lead	<input type="checkbox"/> 40 CFR60 SUBPART L <input type="checkbox"/> 40 CFR63 SUBPART X	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Soil Decontamination	<input type="checkbox"/> Rule 1166 (05/11/01)	<input type="checkbox"/> Rule 1166(b)(4)	<input type="checkbox"/> Rule 1166(c)(1)(C)
<input type="checkbox"/> Spray Booth	See Coating Operations		
<input type="checkbox"/> Sterilizer, Ethylene Oxide	<input type="checkbox"/> 40 CFR63 SUBPART O	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Degassing Operation	<input type="checkbox"/> Rule 1149 (07/14/95) <input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Greater Than 19,815 Gallon Capacity	<input type="checkbox"/> Rule 463 (03/11/94) <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR60 SUBPART K <input type="checkbox"/> 40 CFR60 SUBPART Ka <input type="checkbox"/> 40 CFR60 SUBPART Kb <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 463(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 463(e)(5) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Synthetic Fiber Production Facilities	<input type="checkbox"/> 40 CFR60 SUBPART HHH	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Gas Turbines	<input type="checkbox"/> Rule 1134 (08/08/97) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> 40 CFR60 SUBPART GG	<input type="checkbox"/> CEMS Rule 1134(e) & (g) <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	<input type="checkbox"/> Rule 1134(d) & (f) See Applicable Subpart
<input checked="" type="checkbox"/> Valves	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Vessel, Refinery Process	<input type="checkbox"/> Rule 1123 (12/07/90)	N/A	<input type="checkbox"/> Rule 1123(c)
<input type="checkbox"/> Vessels	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Wastewater, Chemical Plant	<input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART CC	N/A <input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Wastewater Treatment, Other	<input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> Rule 1176 (09/13/96)	N/A <input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
<input type="checkbox"/> Woodworking Operations	<input type="checkbox"/> Rule 1178 (03/16/01)	N/A	<input type="checkbox"/> Rule 1137(e)

Complete this section only if there is a specific requirement (i.e., rule reference, test method, or MRR requirement) that is:

1. Listed for a specific type of equipment or process in Section II of this form & **DOES NOT** pertain to a specific device at your facility*; OR,
2. Is **NOT** Listed for a specific type of equipment or process in Section II of this form but it **IS** applicable to a specific device at your facility.

NOTES:

1. For any specific requirement, test method, or MRR requirement that is identified as "Remove," attach additional sheets to explain the reasons why the specific requirement does not pertain to the device listed.
2. All boxes that are checked in Section II and any additional requirements identified in this section as "Add" will be used to determine the facility's compliance status. This information will be used to verify the certification statements made on Form 500-A2.
3. Do not use this section to identify equipment that is exempt from specific rule requirements. Your equipment is automatically considered to be in compliance with the rule that specifically exempts the equipment from those requirements.
4. Listing any requirement that does not apply to a specific piece of equipment in this section will not provide the facility with a permit shield unless one is specifically requested by completing Form 500-D and approved by the AOMD.

* If this section is completed as part of the initial Title V application & there is no device number assigned, refer to the existing permit or application number in this column.

[illegible]

Section IV - SIP-Approved Rules That Are Not The Most Current AQMD Rules

Check off each SIP-Approved Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
218	08/07/81	<input type="checkbox"/>	1141.2	11/17/00	<input type="checkbox"/>
403.1	01/15/93	<input checked="" type="checkbox"/>	1146	05/13/94	<input checked="" type="checkbox"/>
431.2	05/04/90	<input checked="" type="checkbox"/>	1150.1	04/05/85	<input type="checkbox"/>
442	03/05/82	<input type="checkbox"/>	1158	12/02/83	<input type="checkbox"/>
461	04/21/00	<input type="checkbox"/>	1168	02/13/98	<input type="checkbox"/>
466.1	05/02/80	<input type="checkbox"/>	1171	06/13/97	<input checked="" type="checkbox"/>
469	05/07/76	<input type="checkbox"/>	1176	05/13/94	<input type="checkbox"/>
475	10/08/76	<input type="checkbox"/>	2011	12/08/95	<input type="checkbox"/>
481	11/17/00	<input type="checkbox"/>	2012	12/08/95	<input checked="" type="checkbox"/>
1102	12/07/90	<input type="checkbox"/>			<input type="checkbox"/>
1102.1	12/07/90	<input type="checkbox"/>			<input type="checkbox"/>
1107	11/17/00	<input type="checkbox"/>			<input type="checkbox"/>
1140	02/01/80	<input checked="" type="checkbox"/>			<input type="checkbox"/>
1141	04/03/92	<input type="checkbox"/>			<input type="checkbox"/>

Section V - AQMD Rules That Are Not SIP-Approved

Check off each AQMD Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
53 Los Angeles Co.	N/A	<input checked="" type="checkbox"/>	1401	06/15/01	<input checked="" type="checkbox"/>
53 Orange Co.	N/A	<input type="checkbox"/>	1402	03/17/00	<input type="checkbox"/>
53 Riverside Co.	N/A	<input type="checkbox"/>	1403	04/08/94	<input type="checkbox"/>
53 San Bernardino Co.	N/A	<input type="checkbox"/>	1404	04/06/90	<input checked="" type="checkbox"/>
53A San Bernardino Co.	N/A	<input type="checkbox"/>	1405	01/04/91	<input type="checkbox"/>
218.1	05/14/99	<input type="checkbox"/>	1406	07/08/94	<input type="checkbox"/>
402	05/07/76	<input checked="" type="checkbox"/>	1407	07/08/94	<input type="checkbox"/>
429	12/21/90	<input type="checkbox"/>	1411	03/01/91	<input type="checkbox"/>
441	05/07/76	<input type="checkbox"/>	1414	05/03/91	<input type="checkbox"/>
443.1	12/05/86	<input type="checkbox"/>	1415	10/14/94	<input checked="" type="checkbox"/>
473	05/07/76	<input type="checkbox"/>	1418	09/10/99	<input type="checkbox"/>
1109	08/05/88	<input type="checkbox"/>	1420	09/11/92	<input type="checkbox"/>
1110.1	10/04/85	<input checked="" type="checkbox"/>	1425	03/16/01	<input type="checkbox"/>
1110.2	11/14/97	<input checked="" type="checkbox"/>	1469	10/09/98	<input type="checkbox"/>
1116.1	10/20/78	<input type="checkbox"/>	1605	10/11/96	<input type="checkbox"/>
1118	02/13/98	<input checked="" type="checkbox"/>	1610	02/12/99	<input type="checkbox"/>
1137	02/01/02	<input type="checkbox"/>	1612	07/10/98	<input type="checkbox"/>
1146.2	01/09/98	<input type="checkbox"/>	1613	11/14/97	<input type="checkbox"/>
1150	10/15/82	<input type="checkbox"/>	1620	07/10/98	<input type="checkbox"/>
1163	06/07/85	<input type="checkbox"/>	1623	05/10/96	<input type="checkbox"/>
1170	05/06/88	<input type="checkbox"/>	2009	05/11/01	<input type="checkbox"/>
1178	12/21/01	<input type="checkbox"/>	2009.1	05/11/01	<input type="checkbox"/>
1191	06/16/00	<input type="checkbox"/>	2020	05/11/01	<input type="checkbox"/>
1192	06/16/00	<input type="checkbox"/>	2202	10/09/98	<input type="checkbox"/>
1193	06/16/00	<input type="checkbox"/>	2501	05/09/97	<input type="checkbox"/>
1194	10/20/00	<input type="checkbox"/>	2506	12/10/99	<input type="checkbox"/>
1195	04/20/01	<input type="checkbox"/>			<input type="checkbox"/>
1196	10/20/00	<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>



To provide the compliance status of your facility with applicable federally enforceable requirements and identify other local-only requirements, complete this form and attach it to a completed compliance certification Form 500-A2. As appropriate, all submittals of Form 500-C2 as appropriate should also be attached to this form.

Section I General Information

1. Facility Name: _____

Facility ID (6-Digit): _____

PROCEDURES FOR DETERMINING COMPLIANCE STATUS

1. **Equipment verification:** Review the list of pending applications, and either the preliminary Title V facility permit or the list of current permits to operate that the AQMD provided you, to determine if they completely and accurately describe all equipment operating at the facility. Attach a statement to describe any discrepancies.
2. **Identify applicable requirements*:** Use the checklist in Section II to identify all applicable and federally-enforceable local, state, and federal rules and regulations, test methods, and monitoring, recordkeeping and reporting (MRR) requirements that apply to any equipment or process (including equipment exempt from a permit by Rule 219) at your facility.
The potential applicable requirements, test methods and MRR requirements are identified and listed adjacent to each given equipment/process description. Check off each box adjacent to the corresponding requirement as it applies to your particular equipment/process.
Note: Even if there is only one piece of equipment that is subject to a particular requirement, the appropriate box should be checked.
3. **Identify additional applicable requirements*:** Use Section III to identify any additional requirements not found in Section II. Section II is not a complete list of all applicable requirements. It does not include recently adopted NESHAP regulations by EPA or recent amendments to AQMD rules. Do not add rules listed in Section V here.
4. **Identify any requirements that do not apply to a specific piece of equipment or process:** Also use Section III to identify any requirements that are listed in Section II but that do not apply to a specific piece of equipment or process. Fill out Section III of this form and attach a separate sheet to explain the reason(s) why the identified rules do not apply. Note: Listing any requirement that does not apply to a specific piece of equipment will not provide the facility with a permit shield unless one is specifically requested by completing Form 500-D and is approved by AQMD.
5. **Identify SIP-approved rules that are not current AQMD rules:** Use Section IV to identify older versions of current AQMD rules that are the EPA-approved versions in the State Implementation Plan (SIP), and that are still applicable requirements as defined by EPA. The facility is not required to certify compliance with the items checked in Section IV provided that the non-SIP approved rule in Section II is at least as stringent as the older SIP-approved version in Section IV. **
6. **Identify Local-Only Enforceable Regulatory Requirements:** Use Section V to identify AQMD rules that are not SIP-approved and are not federally enforceable.
7. **Determine compliance:** Determine if all equipment and processes are complying with all requirements identified in Sections II and III. If each piece of equipment complies with all applicable requirements, complete and attach Form 500-A2 to certify the compliance status of the facility. If any piece of equipment is not in compliance with any of the applicable requirements, complete and attach Form 500-C2 in addition to Form 500-A2.

* The following AQMD rules and regulations are not required to be included in Section II and do not have to be added to Section III: Regulation I, List and Criteria in Regulation II, Rule 201, Rule 201.1, Rule 202, Rule 203, Rule 205, Rule 206, Rule 207, Rule 208, Rule 209, Rule 210, Rule 212, Rule 214, Rule 215, Rule 216, Rule 217, Rule 219, Rule 220, Rule 221, Regulation III, Regulation V, Regulation VIII, Regulation XII, Regulation XV, Regulation XVI, Regulation XIX, Regulation XXI, Regulation XXII, and Regulation XXX.

** Emission units adversely affected by the gap between current and SIP-approved versions of rules may initially be placed in a non-Title V portion of the permit

Section 1. Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> All Air Pollution Control Equipment Using Combustion (RECLAIM & non-RECLAIM sources)	<input type="checkbox"/> Rule 480 (10/07/77)	N/A	N/A
<input type="checkbox"/> All Coating Operations	<input type="checkbox"/> Rule 442 (12/15/00)	<input type="checkbox"/> Rule 442(f)	<input type="checkbox"/> Rule 442(g)
<input type="checkbox"/> All Combustion Equipment, ≥ 555 Mmbtu/Hr (except for NO _x RECLAIM sources)	<input type="checkbox"/> Rule 474 (12/04/81)	<input type="checkbox"/> AQMD TM 7.1 or 100.1	
<input type="checkbox"/> All Combustion Equipment Except Internal Combustion Engines (RECLAIM & non-RECLAIM sources)	<input type="checkbox"/> Rule 407 (04/02/82) <input type="checkbox"/> Rule 409 (08/07/81)	<input type="checkbox"/> AQMD TM 100.1 or 10.1, 307-91 <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input type="checkbox"/> All Combustion Equipment Using Gaseous Fuel (except SO _x RECLAIM sources)	<input type="checkbox"/> Rule 431.1 (06/12/98)	<input type="checkbox"/> Rule 431.1(f)	<input type="checkbox"/> Rule 431.1(d) & (e)
<input type="checkbox"/> All Combustion Equipment Using Liquid Fuel (except SO _x RECLAIM sources)	<input type="checkbox"/> Rule 431.2 (09/15/00)	<input type="checkbox"/> Rule 431.2(g)	<input type="checkbox"/> Rule 431.2(f)
<input type="checkbox"/> All Combustion Equipment Using Fossil Fuel (except SO _x RECLAIM sources)	<input type="checkbox"/> Rule 431.3 (05/07/76)		
<input type="checkbox"/> All Equipment	<input type="checkbox"/> Rule 401 (11/09/01) <input type="checkbox"/> Rule 405 (02/07/86) <input type="checkbox"/> Rule 408 (05/07/76) <input type="checkbox"/> Rule 430 (07/12/96) <input type="checkbox"/> Rule 701 (06/13/97) <input type="checkbox"/> New Source Review, BACT <input type="checkbox"/> Rule 1703 (10/07/88) <input type="checkbox"/> 40 CFR68 - Accidental Release Prevention	<input type="checkbox"/> California Air Resources Board Visible Emission Evaluation <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 N/A See Applicable Subpart	<input type="checkbox"/> Rule 430(b) See Applicable Subpart
<input type="checkbox"/> All Equipment Processing Solid Materials	<input type="checkbox"/> Rule 403 (04/02/04)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f)
<input type="checkbox"/> All Equipment With Exhaust Stack (except cement kilns subject to Rule 1112.1)	<input type="checkbox"/> Rule 404 (02/07/86)	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input type="checkbox"/> All Facilities Using Solvents to Clean Various Items or Equipment	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART T	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> All RECLAIM Equipment (NO _x & SO _x)	<input type="checkbox"/> Reg. XX - RECLAIM	<input type="checkbox"/> Rule 2011, App. A (12/05/03) <input type="checkbox"/> Rule 2012, App. A (12/05/03)	<input type="checkbox"/> Rule 2011, App. A (12/05/03) <input type="checkbox"/> Rule 2012, App. A (12/05/03)
<input type="checkbox"/> Abrasive Blasting	<input type="checkbox"/> Rule 1140 (08/02/85)	<input type="checkbox"/> Rule 1140(d) & (e), AQMD Visible Emission Method	
<input type="checkbox"/> Aggregate and Related Operations	<input type="checkbox"/> Rule 1157 (01/07/05)	<input type="checkbox"/> Rule 1157(f)	<input type="checkbox"/> Rule 1157(e)
<input type="checkbox"/> Appliances Containing Ozone Depleting Substances (except Motor Vehicle Air Conditioners): Manufacturing, Repair, Maintenance, Service, & Disposal	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart

KEY ABBREVIATIONS:

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Section 1. Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Asphalt	See Manufacturing, Asphalt Processing & Asphalt Roofing		
<input type="checkbox"/> Asphalt Concrete/Batch Plants	<input type="checkbox"/> 40 CFR60 SUBPART I	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Benzene Emissions, Maleic Anhydride Plants, Ethylbenzene/Styrene Plants, Benzene Storage Vessels, Benzene Equipment Leaks, & Coke By-Product Recovery Plants	<input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART Y <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1173(j) <input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1173(i) <input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Benzene Transfer Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR61 SUBPART BB <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(e) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Benzene Waste Operations	<input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR61 SUBPART FF <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions	<input type="checkbox"/> 40 CFR61 SUBPART C	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions, Rocket Motor Firing	<input type="checkbox"/> 40 CFR61 SUBPART D	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94) <input type="checkbox"/> Rule 1146.2 (01/07/05) <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 1146.1(d) N/A See Applicable Subpart	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3) N/A See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94) - excluding NOx requirements <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 1146.1(d) See Applicable Subpart	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3) See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) - excluding NOx requirements <input type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements <input type="checkbox"/> Rule 2011 (12/05/03) <u>or</u> Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) <input type="checkbox"/> Rule 2011, App. A (12/05/03) <u>or</u> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1146(c)(6) & (c)(7) <input type="checkbox"/> Rule 2011, App. A (12/05/03) <u>or</u> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart

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Section 1. Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Boiler, Petroleum Refining (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 431.1 (06/12/98) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 431.1(f) <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart	See Applicable Subpart <input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 431.1(d) & (e) <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boiler, Petroleum Refining (RECLAIM sources)	<input type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements <input type="checkbox"/> Rule 2011 (12/05/03) or Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 1146(d) <input type="checkbox"/> Rule 2011, App. A (12/05/03) or Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1146(c)(6) & (c)(7) <input type="checkbox"/> Rule 2011, App. A (12/05/03) or Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boilers, Electric Utility (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 1135 (07/19/91) <input type="checkbox"/> 40 CFR60 SUBPART Db <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 1135(e) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1135(e) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boilers, Electric Utility (RECLAIM sources)	<input type="checkbox"/> Rule 2012 (12/05/03) <input type="checkbox"/> 40 CFR60 SUBPART Db <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	<input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 2012, App. A (12/05/03) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Bulk Loading Of Organic Liquids	<input type="checkbox"/> Rule 462 (05/14/99) <input type="checkbox"/> 40 CFR60 SUBPART XX <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART EEEE <input type="checkbox"/> 40 CFR63 SUBPART GGGGG	<input type="checkbox"/> Rule 462(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 462(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Cadmium Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Calciner, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Calciner, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81) <input type="checkbox"/> Rule 1119 (03/02/79) <input type="checkbox"/> 40 CFR63 SUBPART L	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 6.1 or 100.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Charbroilers	<input type="checkbox"/> Rule 1174 (10/05/90) <input type="checkbox"/> Rule 1138 (11/14/97)	<input type="checkbox"/> AQMD Test Protocol <input type="checkbox"/> Rule 1138(g)	<input type="checkbox"/> Rule 1138(d)
<input type="checkbox"/> Chrome Plating & Chromic Acid Anodizing Operation	<input type="checkbox"/> Rule 1426 (05/02/03) <input type="checkbox"/> Rule 1469 (05/02/03)	<input type="checkbox"/> Rule 1469(e)	<input type="checkbox"/> Rule 1426(e) <input type="checkbox"/> Rule 1469(g), (j) & (k)
<input type="checkbox"/> Coating Operation, Adhesive Application Operation	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1168 (01/07/05)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1168(f) & (g)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1168(e)

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Section 1. Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Coating Operation, Aerospace Assembly & Component Manufacturing	<input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART RR <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1124 (09/21/01) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART GG	<input type="checkbox"/> Rule 1171(f) See Applicable Subpart <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1124(e) & (f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart <input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1124(j) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Graphic Arts (Gravure, Letter Press, Flexographic & Lithographic Printing Process, Etc.)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130 (10/08/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART QQ <input type="checkbox"/> 40 CFR60 SUBPART RR <input type="checkbox"/> 40 CFR60 SUBPART FFF <input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> 40 CFR63 SUBPART KK <input type="checkbox"/> 40 CFR63 SUBPART JJJ	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1130(h) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1130(e) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Magnet Wire Coating	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1126 (01/13/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1126(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1126(c)(4) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Marine Coating (Except for recreational equipment)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106 (01/13/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1106(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1106(c)(5) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Coating	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1107 (11/09/01) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART EE <input type="checkbox"/> 40 CFR60 SUBPART SS <input type="checkbox"/> 40 CFR63 SUBPART NNNN <input type="checkbox"/> 40 CFR63 SUBPART MMMM <input type="checkbox"/> 40 CFR63 SUBPART RRRR	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1107(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1107(k) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Containers, Closure, & Coil Coating Operations	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1125 (01/13/95)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1125(e)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1125(c)(6)

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EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART TT <input type="checkbox"/> 40 CFR60 SUBPART WW <input type="checkbox"/> 40 CFR63 SUBPART SSSS	<input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Motor Vehicle & Mobile Equipment Non-Assembly Line Coating Operation	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1151 (12/11/98) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1151(g) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1151(f) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Motor Vehicle Assembly Line	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1115 (05/12/95) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART MM <input type="checkbox"/> 40 CFR63 SUBPART IIII	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1115(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1115(g) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Paper, Fabric, & Film Coating Operations	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1128 (03/08/96) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> 40 CFR63 SUBPART OOOO	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1128(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1128(e) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Plastic, Rubber, & Glass	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1145 (12/03/04) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR60 SUBPART TTT <input type="checkbox"/> 40 CFR63 SUBPART NNNN <input type="checkbox"/> 40 CFR63 SUBPART PPPP	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1145(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1145(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Pleasure Craft	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106.1 (02/12/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1106.1(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1106.1(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Screen Printing	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130.1 (12/13/96) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1130.1(g) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1130.1(c)(5) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)

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<input type="checkbox"/> Coating Operation, Use Of Architectural Coating (Stationary Structures)	<input type="checkbox"/> 40 CFR63 SUBPART KK <input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1113 (07/09/04) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03)	See Applicable Subpart <input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1113(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	See Applicable Subpart <input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Coating Operation, Wood Flat Stock	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1104 (08/13/99) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1104(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1104(d) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Wood Products (Commercial Furniture, Cabinets, Shutters, Frames, Toys)	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (05/07/04) <input type="checkbox"/> Rule 1136 (06/14/96) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART JJ	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 481(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1136(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1136(d) & (g) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Coater	See Coating Operations		
<input type="checkbox"/> Columns	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Composting Operation	<input type="checkbox"/> Rule 1133 (01/10/03) <input type="checkbox"/> Rule 1133.1 (01/10/03) <input type="checkbox"/> Rule 1133.2 (01/10/03)	<input type="checkbox"/> Rule 1133.1(e) <input type="checkbox"/> Rule 1133.2(g)	<input type="checkbox"/> Rule 1133.1(d) <input type="checkbox"/> Rule 1133.2(h)
<input type="checkbox"/> Compressors	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Concrete Batch Plants	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Consumer Product Manufacturing	See Manufacturing, Consumer Product		
<input type="checkbox"/> Cooling Tower, Hexavalent Chromium	<input type="checkbox"/> 40 CFR63 SUBPART Q	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Copper Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Crude Oil Production	See Oil Well Operations		
<input type="checkbox"/> Crusher	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Dairy Farms and Related Operations	<input type="checkbox"/> Rule 1127	<input type="checkbox"/> Rule 1127(h)	<input type="checkbox"/> Rule 1127(g)
<input type="checkbox"/> Degreasers	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1122 (10/01/04) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART T	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1122(h) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1122(i) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Dry Cleaning, Perchloroethylene	<input type="checkbox"/> Rule 1421 (12/06/02)	<input type="checkbox"/> Rule 1421(e) & (i)	<input type="checkbox"/> Rule 1421(g) & (h)
<input type="checkbox"/> Dry Cleaning, Petroleum Solvent	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1102 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART JJJ	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1102(g) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1102(f) See Applicable Subpart
<input type="checkbox"/> Dryers, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Ethylene Oxide Sterilizer	See Sterilizer, Ethylene Oxide		
<input type="checkbox"/> Flanges	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		

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EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Fluid Catalytic Cracking Unit	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1105 (09/01/84) <input type="checkbox"/> Rule 1105.1 (11/07/03)	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> Rule 1105(c)(1) <input type="checkbox"/> Rule 1105.1(f)	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 1105(c)(2) <input type="checkbox"/> Rule 1105.1(e)
<input type="checkbox"/> Foundries, Iron and Steel	<input type="checkbox"/> 40 CFR63 SUBPART EEEEE	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Friction Materials Manufacturing	See Manufacturing, Friction Materials		
<input type="checkbox"/> Fugitive Emissions, Benzene	<input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Chemical Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR60 SUBPART VV <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Natural Gas Processing Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule (12/06/02) <input type="checkbox"/> 40 CFR60 SUBPART KKK <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Oil & Gas Production Facility	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart

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EQUIPMENT / PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Pipeline Transfer Station	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (12/06/02) <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(j) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Furnace, Basic Oxygen Process	<input type="checkbox"/> 40 CFR60 SUBPART Na	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Electric Arc, For Steel Plants Constructed After August 17, 1983	<input type="checkbox"/> 40 CFR60 SUBPART AAa	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Electric Arc, For Steel Plants: Constructed After Oct. 21, 1974, & On Or Before Aug. 17, 1983	<input type="checkbox"/> 40 CFR60 SUBPART AA	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Glass Melting	<input type="checkbox"/> Rule 1117 (01/06/84) <input type="checkbox"/> 40 CFR60 SUBPART CC	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Lead Melting, Automotive Batteries	<input type="checkbox"/> Rule 1101 (10/07/77) <input type="checkbox"/> 40 CFR63 SUBPART X	<input type="checkbox"/> AQMD TM 6.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Gasoline Transfer & Dispensing Operation	<input type="checkbox"/> Rule 461 (01/09/04)	<input type="checkbox"/> Rule 461(f)	<input type="checkbox"/> Rule 461(e)(6) & (e)(7)
<input type="checkbox"/> Glass Manufacturing	See Manufacturing, Glass		
<input type="checkbox"/> Grain Elevators	<input type="checkbox"/> 40 CFR60 SUBPART DD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Halon-containing Equipment, Use for Technician Training, Testing, Maintenance, Service, Repair, or Disposal	<input type="checkbox"/> 40 CFR82 SUBPART H	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Heater, Asphalt Pavement	<input type="checkbox"/> Rule 1120 (08/04/78)	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 6.2	<input type="checkbox"/> Rule 1120(f)
<input type="checkbox"/> Heaters, Petroleum Refinery Process	<input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 431.1 (06/12/98) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART DDDDD	N/A <input type="checkbox"/> Rule 431.1(f) <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 431.1(d) & (e) <input type="checkbox"/> Rule 1146(c)(6) & (c)(7) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Heaters, Process	See Boilers		
<input type="checkbox"/> Incinerators	<input type="checkbox"/> 40 CFR60 SUBPART E	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Inorganic Arsenic Emissions, Arsenic Trioxide & Metallic Arsenic Production Facilities	<input type="checkbox"/> 40 CFR61 SUBPART P	See Applicable Subpart	See Applicable Subpart

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Section 1. Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Internal Combustion Engines, Reciprocating	<input type="checkbox"/> 40 CFR63 SUBPART ZZZZ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Kiln, Cement Plant	<input type="checkbox"/> Rule 1112 (01/06/86) <input type="checkbox"/> Rule 1112.1 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART F	N/A N/A See Applicable Subpart	N/A N/A See Applicable Subpart
<input type="checkbox"/> Landfills	<input type="checkbox"/> Rule 1150 (10/15/82) <input type="checkbox"/> Rule 1150.1 (03/17/00) <input type="checkbox"/> 40 CFR60 SUBPART WWW <input type="checkbox"/> 40 CFR63 SUBPART AAAA	<input type="checkbox"/> Rule 1150.1(j) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1150.1(e) & (f) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Lead Acid Battery Manufacturing Plants	See Manufacturing, Lead Acid Battery		
<input type="checkbox"/> Lead Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Manufacturing, Asphalt Processing & Asphalt Roofing	<input type="checkbox"/> Rule 470 (05/07/76) <input type="checkbox"/> Rule 1108 (02/01/85) <input type="checkbox"/> Rule 1108.1 (11/04/83) <input type="checkbox"/> 40 CFR60 SUBPART UU <input type="checkbox"/> 40 CFR63 SUBPART LLLLL	N/A <input type="checkbox"/> Rule 1108(b) <input type="checkbox"/> Rule 1108.1 (b) See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Brick & Structural Clay Products	<input type="checkbox"/> 40 CFR63 SUBPART JJJJ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Clay Ceramics	<input type="checkbox"/> 40 CFR63 SUBPART KKKKK	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Coatings & Ink (SIC Code 2851)	<input type="checkbox"/> Rule 1141.1 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART HHHHH	N/A See Applicable Subpart	<input type="checkbox"/> Rule 1141.1(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Consumer Product	<input type="checkbox"/> Title 17 CCR 94500		
<input type="checkbox"/> Manufacturing, Food Product	<input type="checkbox"/> Rule 1131 (06/06/03)	<input type="checkbox"/> Rule 1131(e)	<input type="checkbox"/> Rule 1131(d)
<input type="checkbox"/> Manufacturing, Friction Materials	<input type="checkbox"/> 40 CFR63 SUBPART QQQQQ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Glass	<input type="checkbox"/> Rule 1117 (01/06/84) <input type="checkbox"/> 40 CFR60 SUBPART CC <input type="checkbox"/> 40 CFR61 SUBPART N	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Hydrochloric Acid	<input type="checkbox"/> 40 CFR63 SUBPART NNNNN	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Lead-Acid Battery	<input type="checkbox"/> 40 CFR60 SUBPART KK	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Lime	<input type="checkbox"/> 40 CFR63 SUBPART AAAAA	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Magnetic Tape Industry	<input type="checkbox"/> 40 CFR60 SUBPART SSS <input type="checkbox"/> 40 CFR63 SUBPART EE	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Miscellaneous Organic Chemical	<input type="checkbox"/> 40 CFR63 SUBPART FFFF	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Nitric Acid	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1159 (12/06/85) <input type="checkbox"/> 40 CFR60 SUBPART G	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> AQMD TM 7.1 or 100.1 See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Plywood & Composite Wood Products	<input type="checkbox"/> Rule 1137 (02/01/02) <input type="checkbox"/> 40 CFR63 SUBPART DDDD	N/A See Applicable Subpart	<input type="checkbox"/> Rule 1137(e) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Polymer Industry	<input type="checkbox"/> 40 CFR60 SUBPART DDD <input type="checkbox"/> 40 CFR63 SUBPART W <input type="checkbox"/> 40 CFR63 SUBPART J	See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart

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EQUIPMENT / PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Manufacturing, Polymeric Cellular Foam	<input type="checkbox"/> Rule 1175 (05/13/94) <input type="checkbox"/> 40 CFR63 SUBPART UUUU	<input type="checkbox"/> Rule 1175(f) See Applicable Subpart	<input type="checkbox"/> Rule 1175(e) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Products Containing Halon Blends	<input type="checkbox"/> 40 CFR82 SUBPART H	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Products Containing Organic Solvents	<input type="checkbox"/> Rule 443.1 (12/05/86)	N/A	N/A
<input type="checkbox"/> Manufacturing, Products Containing Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART A <input type="checkbox"/> 40 CFR82 SUBPART E	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Reinforced Plastic Composites	<input type="checkbox"/> 40 CFR63 SUBPART WWWWW	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Refractory Products	<input type="checkbox"/> 40 CFR63 SUBPART SSSSS	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Resin	<input type="checkbox"/> Rule 1141 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART W	<input type="checkbox"/> Rule 1141(d) See Applicable Subpart	<input type="checkbox"/> Rule 1141(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Rubber Tire	<input type="checkbox"/> 40 CFR63 SUBPART XXXX	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Semiconductors	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1164 (01/13/95) <input type="checkbox"/> Rule 1171 (11/07/03) <input type="checkbox"/> 40 CFR63 SUBPART BBBBB	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1164(e) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1164(c)(5) <input type="checkbox"/> Rule 1171(c)(6) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Solvent	<input type="checkbox"/> Rule 443 (05/07/76)	N/A	N/A
<input type="checkbox"/> Manufacturing, Sulfuric Acid	<input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> 40 CFR60 SUBPART H <input type="checkbox"/> 40 CFR60 SUBPART Cd	<input type="checkbox"/> AQMD TM 6.1 or 6.2 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Surfactant	<input type="checkbox"/> Rule 1141.2 (01/11/02)	<input type="checkbox"/> AQMD TM 25.1	
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes	<input type="checkbox"/> 40 CFR60 SUBPART III <input type="checkbox"/> 40 CFR60 SUBPART NNN	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes	<input type="checkbox"/> 40 CFR60 SUBPART RRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Vinyl Chloride	<input type="checkbox"/> 40 CFR61 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Water Heaters	<input type="checkbox"/> Rule 1121 (09/03/04)	N/A	N/A
<input type="checkbox"/> Manufacturing, Wool Fiberglass Insulation	<input type="checkbox"/> 40 CFR60 SUBPART PPP	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manure Processing Operations	<input type="checkbox"/> Rule 1127	<input type="checkbox"/> Rule 1127(h)	<input type="checkbox"/> Rule 1127(g)
<input type="checkbox"/> Marine Tank Vessel Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(e) See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart
<input type="checkbox"/> Mercury Emissions	<input type="checkbox"/> 40 CFR61 SUBPART E <input type="checkbox"/> 40 CFR63 SUBPART IIII	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Motor Vehicle Air Conditioners with Ozone Depleting Substances (ODS): Repair, Service, Manufacturing, Maintenance, or Disposal	<input type="checkbox"/> 40 CFR82 SUBPART B <input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Municipal Waste Combustors	<input type="checkbox"/> 40 CFR60 SUBPART Cb	See Applicable Subpart	See Applicable Subpart

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Section 101.40 Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> 40 CFR60 SUBPART Ea <input type="checkbox"/> 40 CFR60 SUBPART Eb	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Negative Air Machines/HEPA, Asbestos	<input type="checkbox"/> 40 CFR61 SUBPART M	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Nickel Electroplating Operation	<input type="checkbox"/> Rule 1426 (05/02/03)		<input type="checkbox"/> Rule 1426(e)
<input type="checkbox"/> Nonmetallic Mineral Processing Plants	<input type="checkbox"/> Rule 404 (02/07/86) <input type="checkbox"/> Rule 405 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART OOO	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Off-site Waste and Recovery Operation	<input type="checkbox"/> 40 CFR63 SUBPART DD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Oil and Gas Well Operation	<input type="checkbox"/> Rule 1148 (11/05/82) <input type="checkbox"/> Rule 1148.1 (03/05/04)	<input type="checkbox"/> AQMD TM 25.1 <input type="checkbox"/> Rule 1148.1 (g)	<input type="checkbox"/> Rule 1148.1 (f)
<input type="checkbox"/> Onshore Natural Gas Processing, SO ₂ Emissions	<input type="checkbox"/> 40 CFR60 SUBPART LLL	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Open Fires	<input type="checkbox"/> Rule 444 (12/21/01)		
<input type="checkbox"/> Open Storage, Petroleum Coke	<input type="checkbox"/> Rule 403 (04/02/04) <input type="checkbox"/> Rule 403.1 (04/02/04) <input type="checkbox"/> Rule 1158 (06/11/99)	<input type="checkbox"/> Rule 403(d)(4) <input type="checkbox"/> Rule 1158(h)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f) <input type="checkbox"/> Rule 1158(j)
<input type="checkbox"/> Open Storage	<input type="checkbox"/> Rule 403 (04/02/04) <input type="checkbox"/> Rule 403.1 (04/02/04)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f)
<input type="checkbox"/> Outer Continental Shelf Platform	<input type="checkbox"/> Rule 1183 (03/12/93) <input type="checkbox"/> 40 CFR55	<input type="checkbox"/> 40 CFR55 See Applicable Subpart	<input type="checkbox"/> 40 CFR55 See Applicable Subpart
<input type="checkbox"/> Oven, Commercial Bakery	<input type="checkbox"/> Rule 1153 (01/13/95)	<input type="checkbox"/> Rule 1153(h)	<input type="checkbox"/> Rule 1153(g)
<input type="checkbox"/> Oven, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81) <input type="checkbox"/> 40 CFR63 SUBPART L	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Ozone Depleting Substances (ODS) or Alternative ODS, Use	<input type="checkbox"/> 40 CFR82 Subpart G	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 465 (08/13/99) <input type="checkbox"/> Rule 468 (10/08/76) <input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> Rule 1123 (12/07/90) <input type="checkbox"/> Rule 1189 (01/21/00) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> 40 CFR63 SUBPART EEEE <input type="checkbox"/> 40 CFR63 SUBPART GGGGG <input type="checkbox"/> Title 13 CCR 2250	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> AQMD TM 6.1 or 6.2 <input type="checkbox"/> AQMD TM 6.1 or 6.2 N/A <input type="checkbox"/> Rule 1189(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) & (f) <input type="checkbox"/> Rule 1123(c) <input type="checkbox"/> Rule 1189(e) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Fugitive Emissions	<input type="checkbox"/> Rule 1173 (12/06/02)	<input type="checkbox"/> Rule 1173(j)	<input type="checkbox"/> Rule 1173(i)

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Section 1. Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT / PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> 40 CFR60 SUBPART GGG <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Storage Tanks	<input type="checkbox"/> Rule 463 (05/06/05) <input type="checkbox"/> Rule 1178 (12/11/01) <input type="checkbox"/> 40 CFR60 SUBPART K <input type="checkbox"/> 40 CFR60 SUBPART Ka <input type="checkbox"/> 40 CFR60 SUBPART Kb <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> 40 CFR63 SUBPART EEEE	<input type="checkbox"/> Rule 463(g) <input type="checkbox"/> Rule 1178(i) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 463(e)(5) <input type="checkbox"/> Rule 1178(f) & (h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Wastewater Systems	<input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> 40 CFR60 SUBPART QQQ <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1176(h) N/A See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Pharmaceuticals & Cosmetics Manufacturing	<input type="checkbox"/> Rule 1103 (03/12/99)	<input type="checkbox"/> Rule 1103(f)	<input type="checkbox"/> Rule 1103(e)
<input type="checkbox"/> Polyester Resin Operation	<input type="checkbox"/> Rule 109 (05/02/03) <input type="checkbox"/> Rule 1162 (07/09/04) <input type="checkbox"/> Rule 1171 (11/07/03)	<input type="checkbox"/> Rule 109(g) <input type="checkbox"/> Rule 1162(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c) <input type="checkbox"/> Rule 1162(e) <input type="checkbox"/> Rule 1171(c)(6)
<input type="checkbox"/> Primary Magnesium Refining	<input type="checkbox"/> 40 CFR63 SUBPART TTTT	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Printing Press	See Coating Operations		
<input type="checkbox"/> Publicly Owned Treatment Works Operations	<input type="checkbox"/> Rule 1179 (03/06/92) <input type="checkbox"/> 40 CFR60 SUBPART O	<input type="checkbox"/> Rule 1179(e) See Applicable Subpart	<input type="checkbox"/> Rule 1179(c) & (d) See Applicable Subpart
<input type="checkbox"/> Pumps	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Recycling & Recovery Equipment for Ozone Depleting Substances (ODS),	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Refrigerant Reclaimers for Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Rendering Plant	<input type="checkbox"/> Rule 472 (05/07/76)	N/A	<input type="checkbox"/> Rule 472(b)
<input type="checkbox"/> Rock Crushing	See Nonmetallic Mineral Processing Plants		

Section 1. Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Semiconductor Manufacturing	See Manufacturing, Semiconductors		
<input type="checkbox"/> Sewage Treatment Plants	See Publicly Owned Treatment Works Operation		
<input type="checkbox"/> Site Remediation	<input type="checkbox"/> 40 CFR63 SUBPART GGGGG	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Smelting, Primary Copper	<input type="checkbox"/> 40 CFR63 SUBPART QQQ	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Smelting, Secondary Lead	<input type="checkbox"/> 40 CFR60 SUBPART L	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART X	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Soil Decontamination	<input type="checkbox"/> Rule 1166 (05/11/01)	<input type="checkbox"/> Rule 1166(e)	<input type="checkbox"/> Rule 1166(c)(1)(C)
	<input type="checkbox"/> 40 CFR63 SUBPART GGGGG	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Spray Booth	See Coating Operations		
<input type="checkbox"/> Sterilizer, Ethylene Oxide	<input type="checkbox"/> 40 CFR63 SUBPART O	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Degassing Operation	<input type="checkbox"/> Rule 1149 (07/14/95)		
	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Greater Than 19,815 Gallon Capacity	<input type="checkbox"/> Rule 463 (05/06/05)	<input type="checkbox"/> Rule 463(g)	<input type="checkbox"/> Rule 463(e)(5)
	<input type="checkbox"/> 40 CFR63 SUBPART F	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART G	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART H	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART I	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR60 SUBPART K	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR60 SUBPART Ka	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR60 SUBPART Kb	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART R	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Synthetic Fiber Production Facilities	<input type="checkbox"/> 40 CFR60 SUBPART HHH	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Taconite Iron Ore Processing Facilities	<input type="checkbox"/> 40 CFR63 SUBPART RRRRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Gas-Fired	<input type="checkbox"/> Rule 1134 (08/08/97)	<input type="checkbox"/> CEMS Rule 1134(e) & (g)	<input type="checkbox"/> Rule 1134(d) & (f)
	<input type="checkbox"/> Rule 475 (08/07/78)	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
	<input type="checkbox"/> 40 CFR60 SUBPART GG	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART YYYY	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Oil-Fired	<input type="checkbox"/> 40 CFR63 SUBPART YYYY	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Valves	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Vessel, Refinery Process	<input type="checkbox"/> Rule 1123 (12/07/90)	N/A	<input type="checkbox"/> Rule 1123(c)
<input type="checkbox"/> Vessels	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Wastewater, Chemical Plant	<input type="checkbox"/> Rule 464 (12/07/90)	N/A	
	<input type="checkbox"/> Rule 1176 (09/13/96)	<input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
	<input type="checkbox"/> 40 CFR63 SUBPART F	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART G	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART H	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART I	See Applicable Subpart	See Applicable Subpart
	<input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Wastewater Treatment, Other	<input type="checkbox"/> Rule 464 (12/07/90)	N/A	
	<input type="checkbox"/> Rule 1176 (09/13/96)	<input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
<input type="checkbox"/> Woodworking Operations	<input type="checkbox"/> Rule 1137 (02/01/02)	N/A	<input type="checkbox"/> Rule 1137(e)

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1. Listed for a specific type of equipment or process in Section II of this form & **DOES NOT** pertain to a specific device at your facility*; OR,
2. Is **NOT** Listed for a specific type of equipment or process in Section II of this form but it **IS** applicable to a specific device at your facility.

1. For any specific requirement, test method, or MRR requirement that is identified as “Remove,” attach additional sheets to explain the reasons why the specific requirement does not pertain to the device listed.
2. All boxes that are checked in Section II and any additional requirements identified in this section as “Add” will be used to determine the facility’s compliance status. This information will be used to verify the certification statements made on Form 500-A2.
3. Do not use this section to identify equipment that is exempt from specific rule requirements. Your equipment is automatically considered to be in compliance with the rule that specifically exempts the equipment from those requirements.
4. Listing any requirement that does not apply to a specific piece of equipment in this section will not provide the facility with a permit shield unless one is specifically requested by completing Form 500-D and approved by the AOMD.

[illegible]

Section 1: SIP-Approved Rules That Are Not SIP-Approved (Continued on Following Page)

Check off each SIP-Approved Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
218	08/07/81	<input type="checkbox"/>	1146.2	01/09/98	<input type="checkbox"/>
401	03/02/84	<input type="checkbox"/>	1162	11/17/00	<input type="checkbox"/>
403	12/11/98	<input type="checkbox"/>	1166	07/14/95	<input type="checkbox"/>
403.1	01/15/93	<input type="checkbox"/>	1168	10/03/03	<input type="checkbox"/>
431.2	05/04/90	<input type="checkbox"/>	1171	11/07/03	<input type="checkbox"/>
463	03/11/94	<input type="checkbox"/>	1173	05/13/94	<input type="checkbox"/>
466.1	05/02/80	<input type="checkbox"/>	1186	09/10/99	<input type="checkbox"/>
469	05/07/76	<input type="checkbox"/>	2000	05/11/01	<input type="checkbox"/>
475	10/08/76	<input type="checkbox"/>	2001	05/11/01	<input type="checkbox"/>
1112	01/06/84	<input type="checkbox"/>	2002	05/11/01	<input type="checkbox"/>
1113	11/08/96	<input type="checkbox"/>	2005	04/20/01	<input type="checkbox"/>
1121	12/10/99	<input type="checkbox"/>	2007	12/05/03	<input type="checkbox"/>
1122	07/11/97	<input type="checkbox"/>	2010	05/11/01	<input type="checkbox"/>
1132	03/05/04	<input type="checkbox"/>	2011	12/05/03	<input type="checkbox"/>
1140	02/01/80	<input type="checkbox"/>	2012	12/05/03	<input type="checkbox"/>
1145	02/14/97	<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>

Section 2: AQMD Rules That Are Not SIP-Approved (Continued on Following Page)

Check off each AQMD Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
53 Los Angeles Co.	N/A	<input type="checkbox"/>	1170	05/06/88	<input type="checkbox"/>
53 Orange Co.	N/A	<input type="checkbox"/>	1183	03/12/93	<input type="checkbox"/>
53 Riverside Co.	N/A	<input type="checkbox"/>	1186.1	06/04/04	<input type="checkbox"/>
53 San Bernardino Co.	N/A	<input type="checkbox"/>	1191	06/16/00	<input type="checkbox"/>
53A San Bernardino Co.	N/A	<input type="checkbox"/>	1192	06/16/00	<input type="checkbox"/>
218.1	05/14/99	<input type="checkbox"/>	1193	06/06/03	<input type="checkbox"/>
402	05/07/76	<input type="checkbox"/>	1194	10/20/00	<input type="checkbox"/>
429	12/21/90	<input type="checkbox"/>	1195	04/20/01	<input type="checkbox"/>
430	07/12/96	<input type="checkbox"/>	1196	06/04/04	<input type="checkbox"/>
441	05/07/76	<input type="checkbox"/>	1401	03/04/05	<input type="checkbox"/>
473	05/07/76	<input type="checkbox"/>	1402	03/04/05	<input type="checkbox"/>
477	04/03/81	<input type="checkbox"/>	1403	04/08/94	<input type="checkbox"/>
480	10/07/77	<input type="checkbox"/>	1404	04/06/90	<input type="checkbox"/>
1105.1	11/07/03	<input type="checkbox"/>	1405	01/04/91	<input type="checkbox"/>
1109	08/05/88	<input type="checkbox"/>	1406	07/08/94	<input type="checkbox"/>
1110.1	10/04/85	<input type="checkbox"/>	1407	07/08/94	<input type="checkbox"/>
1110.2	11/14/97	<input type="checkbox"/>	1411	03/01/91	<input type="checkbox"/>
1116.1	10/20/78	<input type="checkbox"/>	1414	05/03/91	<input type="checkbox"/>
1118	02/13/98	<input type="checkbox"/>	1415	10/14/94	<input type="checkbox"/>
1127	08/06/04	<input type="checkbox"/>	1418	09/10/99	<input type="checkbox"/>
1148.1	03/05/04	<input type="checkbox"/>	1420	09/11/92	<input type="checkbox"/>
1150	10/15/82	<input type="checkbox"/>	1421	12/06/02	<input type="checkbox"/>
1157	01/07/05	<input type="checkbox"/>	1425	03/16/01	<input type="checkbox"/>
1163	06/07/85	<input type="checkbox"/>	1426	05/02/03	<input type="checkbox"/>

1469	05/02/03	<input type="checkbox"/>	2009.1	05/11/01	<input type="checkbox"/>
1469.1	03/04/05	<input type="checkbox"/>	2020	05/11/01	<input type="checkbox"/>
1470	03/04/05	<input type="checkbox"/>	2501	05/09/97	<input type="checkbox"/>
2009	01/07/05	<input type="checkbox"/>	2506	12/10/99	<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>



South Coast Air Quality Management District

Form 500-A2

TITLE V Application Certification

Mail Application To:
P.O. Box 4944
Diamond Bar, CA 91765

Tel: (909) 396-3385

www.aqmd.gov

1. Permit to be issued to (Business name of operator to appear on permit):

2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD):

3. This Certification is submitted with a (Check one):
- a. ☐ Title V Application (Initial, Revision or Renewal)
 - b. ☐ Supplement/Correction to a Title V Application
 - c. ☐ MACT Part 2

4. Is Form 500-C2 included with this Certification? ☐ Yes ☐ No

I certify under penalty of law that I am the responsible official for this facility as defined in AQMD Regulation XXX and that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attached application forms and other materials are true, accurate, and complete.

Read each statement carefully and check each that applies – You must check 3a or 3b.

1. For Initial, Permit Renewal, and Administrative Application Certifications:

- a. ☐ The facility, including equipment that are exempt from written permit per Rule 219, is currently operating and will continue to operate in compliance with all applicable requirement(s) identified in Section II and Section III of Form 500-C1,
 - i. ☐ except for those requirements that do not specifically pertain to such devices or equipment and that have been identified as "Remove" on Section III of Form 500-C1.
 - ii. ☐ except for those devices or equipment that have been identified on the completed and attached Form 500-C2 that will not be operating in compliance with the specified applicable requirement(s).
- b. ☐ The facility, including equipment that are exempt from written permit per Rule 219, will meet in a timely manner, all applicable requirements with future effective dates.

2. For Permit Revision Application Certifications:

- a. ☐ The equipment or devices to which this permit revision applies, will in a timely manner comply with all applicable requirements identified in Section II and Section III of Form 500-C1.

3. For MACT Hammer Certifications:

- a. ☐ The facility is subject to Section 112(j) of the Clean Air Act (Subpart B of 40 CFR part 63), also known as the MACT "hammer." The following information is submitted with a Title V application to comply with the Part 1 requirements of Section 112(j). (If Part 2 has not been submitted, you must submit 500-MACT Part 2 with this form.)
- b. ☐ The facility is not subject to Section 112(j) of the Clean Air Act (Subpart B of 40 CFR part 63).

Signature of Responsible Official

Date

Type or Print Name of Responsible Official

Phone

Title of Responsible Official

Fax

Address of Responsible Official

City

State

Zip Code

Acid Rain Facilities Only: Turn page over & complete Section III

Acid Rain facilities must certify their compliance status of the devices subject to applicable requirements under Title IV by an individual who meets the definition of Designated (or Alternate) Representative in 40 CFR Part 72.

Section 1: Designated Representative Certification			
1. <i>For Acid Rain Facilities Only.</i> I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.			
Signature of Designated Representative or Alternate		Date	
Type or Print Name of Designated Representative or Alternate		Phone	
Title of Designated Representative or Alternate		Fax	
Address of Designated Representative or Alternate		City	State Zip Code

Andrew Chew

From: Jay Chen
Sent: Wednesday, October 24, 2007 6:22 PM
To: Bhaskar Chandan
Cc: Tran Vo; Andrew Chew; Bob Sanford
Subject: RE: Air Products Carson (3417) Proposed Draft TV Permit

I'm OK with the changes. Two suggestions:

1. "Startup period shall be kept at a minimum, ~~but~~ and in ~~any~~ no case shall it ~~not~~ exceed 48 hours."
2. You might want to round up the SOx emissions for the daily limit.

Thanks.

Jay

-----Original Message-----

From: Bhaskar Chandan
Sent: Wednesday, October 24, 2007 5:58 PM
To: Jay Chen
Cc: Tran Vo; Andrew Chew; Bob Sanford
Subject: Air Products Carson (3417) Proposed Draft TV Permit

Hi Jay:

For future reference, we just wanted to confirm our discussion today regarding changes to the following proposed conditions (ref Air Products Carson proposed draft TV facility permit):

A99.1 The 5 PPM NOX emission limit(s) shall not apply during any startup period. Startup period shall not exceed 48 consecutive hours.

Clarify and tighten up the wording for s/u period - we don't want to give them a blanket 48 hr s/u. Proposed wording: "Startup period shall be kept at a minimum, but in any case shall not exceed 48 hours." We will plan on making this change on all future facility permits.

B61.1 The operator shall only use materials containing the following specified compounds:

Compound	ppm by volume
Sulfur less than	40

The PSA gas at this facility typically has zero or very low sulfur. By having this condition, we may inadvertently allow them to use fuel gas up to 40 ppm sulfur. Thus, we plan on removing this condition, which has been tagged to BACT. Also, since the SOx emissions were 1.55 lb/day from natural gas burning, NSR applies, and we will add a SOx daily limit in the table for condition A63.1.

D401.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a bi-weekly basis, at least, unless the equipment did not operate during the entire bi-weekly period. The routine bi-weekly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall either:

1). Verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past;

2). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit;
or

3). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report the visible emissions as a potential deviation to AQMD in accordance with the reporting requirements in Section K of this permit.

Replace the above condition with an updated condition D323.x, which is preferred by the management. Above condition allows either of the three options, while D323 requires the first option (Verify and certify within 24 hours...) and allows the facility to select between the second and the third options above. Under D323, the above options 2) and 3) are renumbered as 1) and 2), respectively.

Note that the above change would affect mostly all TV facility permits. From now on, for future TV permits that we propose, we will use condition D323 instead of D401.1. Also, the monitoring frequency will be changed from bi-weekly to semi-annual, as recommended in our Periodic Monitoring guidelines.

Furthermore, for the AP Carson, we will completely drop this condition for the affected Flare, device C33. Since this facility only uses natural gas and PSA gas, this flare can be considered a "clean flare." Per our Periodic Monitoring guidelines, this flare can be classified as Category 1 flare which don't require any monitoring. We believe this would be acceptable to EPA.

Please let us know if we have misunderstood any part of our discussions. Thanks!

Sincerely,

Bhaskar Chandan, P.E., QEP

Senior AQ Engineer, E & C – Refinery & Waste Management Permitting
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765

Phone: (909) 396-3902

Fax: (909) 396-3341

Andrew Chew

From: reebeljc airproducts.com
Sent: Wednesday, October 24, 2007 8:51 AM
To: Andrew Chew
Subject: RE: Air Products Carson: Field Evaluation Follow-up



Carson 091507.txt
(18 KB)



Carson 101507.txt
(18 KB)



Carson 020907.txt
(18 KB)



Carson 021007.txt
(18 KB)



Carson 051507.txt
(18 KB)



Carson 061507.txt
(18 KB)



Carson 071507.txt
(18 KB)



Carson 081507.txt
(18 KB)

Hey Andrew thanks for this clear list of what you need...I am going to be off Friday and I will be in Allentown, PA (our corporate HQ) all next week for training and to go over several of the equipment questions you have listed below with our permitting engineers who worked on these applications. Unless it is a big problem I see getting you all the answers below the week of November 5th once I am able to review everything with our permitting team next week.

I was able to get the data you requested (Condition K67.1) off of our Data Acquisition System (DAS) and have included below. There is one day from each of the past 6 months and then two files to show what it looks like when the plant is starting up. Let me know if you need me to explain anything on these sheets. Thanks again for your patience and if you need anything else feel free to give me a call. Will be on my cell phone next week (714) 642-4252.

Jim

-----Original Message-----

From: Andrew Chew [mailto:achew@aqmd.gov]
Sent: Wednesday, October 17, 2007 11:15 AM
To: Reebel, James C.
Cc: Bhaskar Chandan
Subject: Air Products Carson: Field Evaluation Follow-up

Hi Jim,

Hope you're doing well. In brief, the list below points out the things we need to follow-up:

- 1) Boiler makeup feedwater/steam drum (V-108) does not appear in the permit. Were you able to find out why it was not in the permit and can you submit a modification application to add the equipment into the permit if the stream comes into contact one way or another with the process condensates in the deaerator (V-114, D24)?
- 2) Also, were you able to determine whether the contents inside Intermittent Blowdown Drum V-129 would carry zero process condensates originating from the deaerator (V-114, D24)? I'm asking because process condensates from deaerator mixes with the Reverse Osmosis water before entering into the heat exchanger and subsequently to Blowdown Drum V-129 (D23) and venting to the atmosphere.
- 3) Four heat exchangers (Exchangers 251A/B and 252A/B) operating at the facility do not appear in the permit. Also, four compressors identified as 251A/B and 252A/B in the permit do not exist at the facility. I looked into the application Air Products submitted in March 1998, and the process flow diagrams showed both sets of compressors and heat exchangers. To remedy the inconsistencies, can you submit one

"modification" application with supporting information to us to remove the four compressors and to add the four exchangers? Based on my understanding, you can combine the items above into one modification application for our review.

4) Also, steam turbine (C-105) does not need a permit when it is operating entirely on steam and uses no fuel gases.

As a friendly reminder, can you submit the following information for our review?

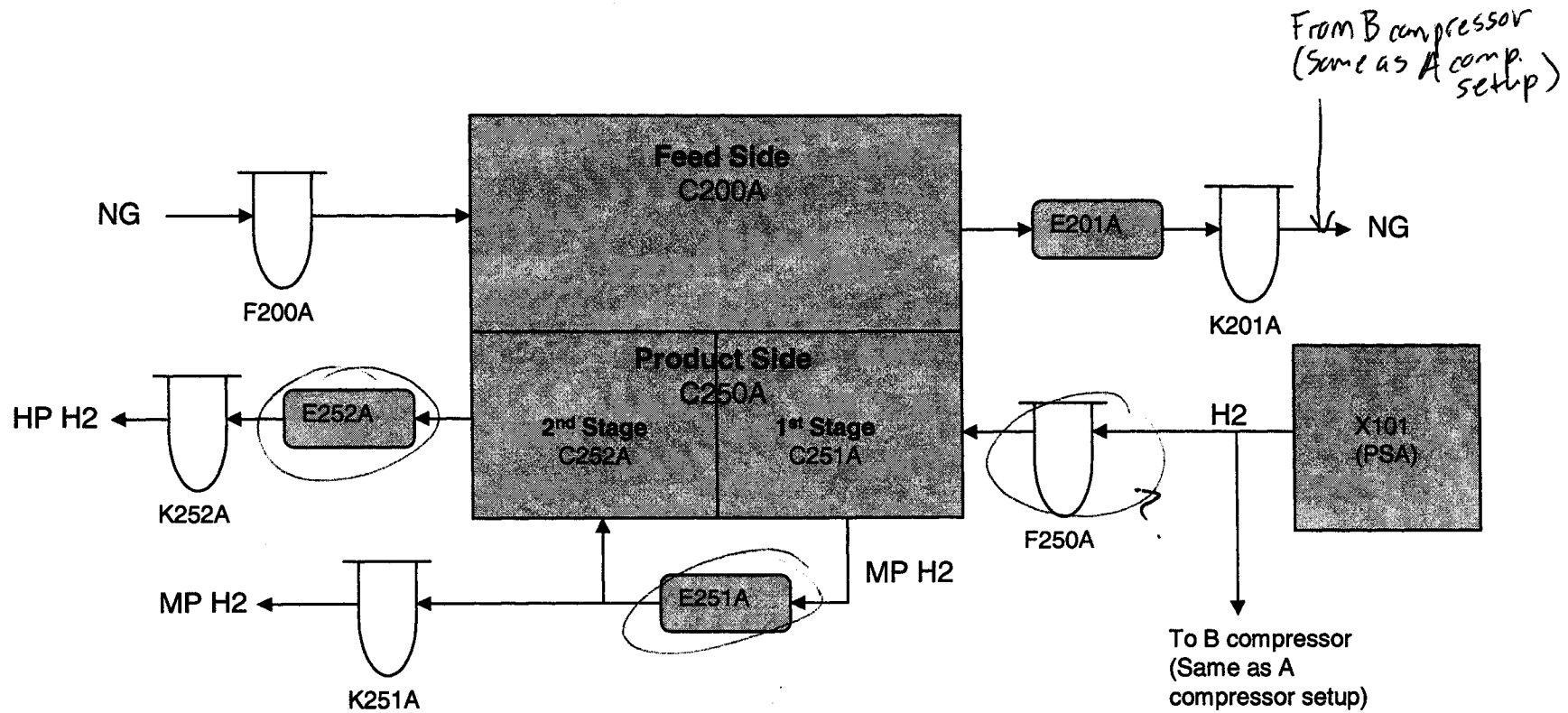
- 1) Copy of the facility's records per permit condition K67.1 that span over a period of six months (records for one event per month would suffice); and
- 2) Copy of a simplified process flow diagram that identifies the equipment with its proper label/name.

Thanks again.

Andrew Chew, P.E.
Air Quality Engineer

Refinery & Waste Management Permitting Unit Engineering & Compliance South Coast Air
Quality Management District 21865 Copley Drive Diamond Bar, CA 91765
Phone: 909-396-2493
Fax: 909-396-3341
email: achew@aqmd.gov

Air Products Carson (Facility ID: 3417)
'A' Compressor Setup



ENGINEERING AND COMPLIANCE

FIELD REPORT

NAME OF APPLICANT Air Products and Chemicals, Inc.		DATE OF INSPECTION 10-10-2007	
EQUIPMENT LOCATION 23300 S. Alameda St. Carson, CA 90810		APPLICATION NUMBER See Equipment Description	
REASON PERMIT IS REQUIRED () NEW CONSTRUCTION () CHANGE OF OWNERSHIP () CHANGE OF LOCATION () EQUIPMENT ALTERATION () CHANGE OF CONDITION (X) OTHER: <u>P/C-to-P/O Conversion</u>			
DATE CONSTRUCTION 09-11-98 BY: NMN IS AUTHORIZED		TIME SPENT MAKING FROM: 12:45 pm TO: 3:30 pm INSPECTION:	
USUAL OPERATING SCHEDULE 24 hours; 7 days/week, 52 weeks/yr. FOR THIS EQUIPMENT			
WEATHER Clear, Sunny, 70's	WIND ~ 5 mph, variable at times	ESTIMATED BASIC COST: EQUIPMENT:	CONTROL EQUIPMENT:
NAMES & TITLES OF PERSON CONTACTED BY ENGINEER: Jim Reebel, Environmental Specialist; Ignacio Hernandez, Sr. Operator			
DISTRICT PERSONNEL IN ATTENDANCE DURING FIELD EVALUATION: Andrew Chew, Hannea Cox, Bhaskar Chandan, and Rudy Chacone			
FOR DUST & FUME PROBLS ONLY:	PROCESS WEIGHT(S)	LBS/ HR	ALLOWED LOSSES
		LBS/ HR	ESTIMATED LOSSES:
			LBS/HR

EQUIPMENT DESCRIPTION, PROCESS DESCRIPTION AND FINDINGS:

Application #	Process Description	Process	System
337978	<i>Hydrogen Plant</i>	1	1
337979	<i>Reformer Heater</i>	2	1
337980	<i>Air Pollution Control System (SCR)</i>	2	2
337981	<i>Fixed Roof Storage Tank (Aq. Ammonia)</i>	3	1
337982	<i>Relief Flare</i>	4	1

We observed the equipment listed above in operation during our field evaluation. We saw no visible emissions from the stacks of the heater/selective catalytic reduction system.

FINDINGS:

We arrived at Air Products at approximately 1245 hour. The field evaluation was conducted in the presence of Mr. Jim Reebel and Mr. Ignacio Hernandez (both Air Products representatives); District engineers Andrew Chew, Hannea Cox, and Bhaskar Chandan; and District inspector Rudy Chacone. The purpose of this field evaluation was to ensure that district staff may properly issue several

ENGINEERING AND COMPLIANCE

FIELD REPORT

NAME OF APPLICANT:	Air Products and Chemicals, Inc.	APPLICATION NUMBER:	DATE: 10-10-07
		See Equipment Description	

permits-to-operate based on the facility's existing permits-to-construct/temporary-permits-to-operate. Jim Reebel (Environmental Engr.) and Ignacio Sanchez (Sr. Operator) led us through the facility, pointed out equipment as we inquired about them, and answered many specific questions related to the operation of the equipment.

Specifically, we asked the facility representatives to point out each equipment item-by-item as they were listed in the facility permit and confirm with district staff the accuracy of the equipment descriptions as they are written in the permit. Jim and Ignacio reviewed the written description item-by-item for each equipment entry in the facility permit and confirmed that the descriptions accurately described the equipment, however, with the exception of the issues itemized in the following list. Jim also assured us that he would do a final audit regarding the numerical data in the descriptions and confirm his findings with us soon. Facility staff also confirmed that the facility complies with Permit Conditions D12.1 (oxygen monitor), D12.2 (flow meter for flue gases), and D12.3 (temperature gauge for SCR), and K67.1 (recordkeeping for startups, shutdowns, and dry-out/steam blows).

In brief, the list below points out the inconsistencies in the facility permit:

- 1) Boiler makeup feedwater/steam drum (V-108) does not appear in the permit. We asked the facility to explain why it was not in the permit and to submit a modification application to add the equipment into the permit if the stream comes into contact with the process condensates in the deaerator (V-114, D24). Facility will investigate and get back to us on this matter.
- 2) We asked the facility to determine whether the contents inside Intermittent Blowdown Drum V-129 would contain process condensates that originated from the deaerator (V-114, D24). Facility staff stated that process condensates from deaerator mixes with the Reverse Osmosis water before entering into the heat exchanger and subsequently to Blowdown Drum V-129 (D23) and venting to the atmosphere. Facility staff will review and provide district staff with further information.
- 3) Four heat exchangers (Exchangers 251A/B and 252A/B) operating at the facility do not appear in the permit. Also, compressors identified as 251A/B and 252A/B in the permit do not exist at the facility. Facility staff believes that the entry for compressors is an administrative or typographical mistake and had been intended for the exchangers. District staff will advise the facility on how to correct this, and whether they will be required to submit an application to correct this.
- 4) We will verify that no permit is required when a steam turbine (C-105) is operating entirely on steam and uses no fuel gases.

ENGINEERING AND COMPLIANCE

FIELD REPORT

NAME OF APPLICANT:	Air Products and Chemicals, Inc.	APPLICATIONNUMBER: See Equipment Description	DATE: 10-10-07
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Additionally, we requested Jim Reebel to submit the following information for district staff's review:

- 1) Copy of the facility's records per permit condition K67.1 that span over a period of six months; and
- 2) Copy of a simplified process flow diagram that identifies the equipment with its proper label/name.

We concluded our field evaluation at approximately 1510 hour and proceeded back to the main office area. After reviewing some of the records per Permit Condition K67.1 and some equipment description and parameters, we left at ~1530 hour.

Andrew Chew

From: Reebel, Jim
Sent: Tuesday, August 07, 2007 9:35 AM
To: Andrew Chew
Subject: RE: Title V for Air Products Carson

Hey Andrew I was able to look through everything with our site supervisor Tammy and our senior maintenance man; hope the following answers all of your questions:

- 1) Geoffrey Wyatt is our current VP of Global Operations (replaced Christopher Lloyd).
- 2) Based on my review of Carson's Process 1, System 1 the following has the potential to vent for longer than 30 minutes.
 - V-129 (D23) is vented to the atmosphere and contains both process condensate (like what is sent to CT at Wilmington) and boiler feed water makeup. The water in this tank has just come from the deaerator. The deaerator dissolves the oxygen and also likely vents methanol, CO, CO2, etc. from the process condensate through the reformer. Wouldn't expect a significant amount of CO from V-129 due to loss of CO in deaerator.
 - On both compressors A and B ; there is the potential for hydrogen being compressed and feed gas (commercial quality natural gas) being expanded in the cylinders by the pistons to leak out from the seal on the cylinders into the nitrogen purge around the cylinder chamber and make its way to an atmospheric vent near the compressors. Any hydrogen gas vented here is product so it would meet that same 30 ppmv spec. I can look or you can if you want but I believe CO concentration in commercial quality natural gas is virtually non-existent if not zero.

Let me know if you have anymore questions or clarification on the above, thanks!

Jim

-----Original Message-----

From: Andrew Chew [<mailto:achew@aqmd.gov>]
Sent: Thursday, August 02, 2007 2:08 PM
To: Reebel, James C.
Subject: Title V for Air Products Carson

Jim,

I have two quick questions about Air Products Carson:

- 1) Who is the current "responsible official" for the initial Title V application? As of May 8, 2002, Scott A. Sherman, VP & GM - Chemical Process Industries was the "responsible official" in the initial Title V Application. As of January 1, 2006, Christopher Loyd was the "responsible official" as recognized in the AQMD facility permit.

Please check and let me know. Thanks.

- 2) Directing your attention to the current facility permit, what are the devices in Process 1 (Hydrogen Production),

8/17/2007

System 1 (Hydrogen Plant), that could possibly vent gases to the atmosphere except during emergency venting due to equipment failure or process upset? You've explained to me before that the pressure relief valve located right after PSA Adsorber could, but are there other equipment as well? Thanks again.

Andrew Chew, P.E.

Air Quality Engineer

Refinery & Waste Management Permitting Unit Engineering & Compliance South Coast Air Quality Management District

21865 Copley Drive

Diamond Bar, CA 91765

Phone: 909-396-2493

Fax: 909-396-3341

email: achew@aqmd.gov

Andrew Chew

From: Reebel, Jim
Sent: Tuesday, July 24, 2007 8:44 AM
To: Andrew Chew
Subject: RE: Air Products Hydrogen Plant - Carson Facility ID No. 3417

Hey Andy, hope you had a good weekend. I looked over the Title V statement of basis with some people here and listed a few corrections we would like to make below; please let me know if any of these changes aren't possible...thanks!

Section 2

- Change "units **more** directly involved" to "units directly involved".
- Change "selective catalytic reactor (SCR)" to "selective catalytic **reduction** (SCR) **system**".
- Remove "**and chloride compounds**"...just sulfur is removed from commercial quality natural gas.
- Change "This facility uses...does not use refinery gas." to "**This facility uses only commercial quality natural gas and steam, produced from treated water, to produce the desired product, hydrogen. Commercial quality natural gas and PSA purge gas are burned in the heater (reformer) to provide the required heat for the process. The facility does not use refinery gas.**"
- Change "sold to the BP and Tesoro refineries" to "sold to **local** refineries" ... unless there is a reason our customers need to be included we would like them to not be specifically named.

Section 3

- Change "operation since 1998" to "operation since **late 1999**".
- Change "permits to operate have been issued to the facility since initial construction" to "permits to operate **were** issued to the facility **for** initial construction".

Section 8

- Change "operation since 1998" to "operation since **late 1999**".

Jim Reebel

From: Andrew Chew [mailto:achew@aqmd.gov]
Sent: Wednesday, July 18, 2007 2:35 PM
To: Creitz, Jennifer B.; Reebel, James C.
Subject: Air Products Hydrogen Plant - Carson Facility ID No. 3417

Jim and Jenny,

Hope all is well. Attached to this e-mail is an Adobe Acrobat file (pdf) of a draft version of the Title V statement of basis for the Carson Hydrogen Production facility. It is a document required by the EPA and would accompany the Facility Permit for their review of the initial Title V application. Please review and let me know by July 25 whether you have any comments for me. Thanks for your help.

8/17/2007

For the meantime, I might be able to work something out for the 10.6 lb/hr hourly limit. I'll keep you posted.

Andrew Chew, P.E.
Air Quality Engineer

Refinery & Waste Management Permitting Unit
Engineering & Compliance
South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765
Phone: 909-396-2493
Fax: 909-396-3341
email: achew@aqmd.gov

-----Original Message-----

From: B., Creitz, Jennifer

Sent: Friday, July 06, 2007 11:20 AM

To: Andrew Chew

Cc: Reebel, James C.

Subject: Wilmington Hydrogen Plant - cogen permit application

Hi Andrew,

You had asked me to confirm the status of the cogeneration permit application that had been submitted with the hydrogen plant permit to construct applications. According to my notes/correspondence between Norman Ng and Kent Kisenbauer, I believed that those permit applications had been dropped.

Thanks,
Jenny

Andrew Chew

From: Reebel, James C. [REEBELJC@airproducts.com]
Sent: Thursday, June 14, 2007 10:42 AM
To: Andrew Chew
Subject: RE: Aqueous ammonia tank information request

Andrew,

Wilmington

I was told that the max usable volume is 8160 gal which is 80% of the total capacity. It is our practice not to fill more than 80% of vessel capacity.

Carson

The capacity (look on the sheets I sent you) is 1160 cu ft. Based on 80% fill the max usable volume would be 928 cu ft, or 6942 gal by my conversion.

What other information do you need ammonia-wise for either plant? Thanks!

Jim

From: Andrew Chew [mailto:achew@aqmd.gov]
Sent: Thursday, June 14, 2007 10:08 AM
To: Reebel, James C.
Subject: RE: Aqueous ammonia tank information request

Jim,

Thanks for the info.

About the tank volume, I might have been confused. The facility permit description for Carson indicates that the tank has a nominal capacity of 10000 gallons. But my calculations based on the diameter and height of the tank tells me it should be 8061 gallons. Yet, related to the Wilmington application, there was a letter sent by Kent Kisenbauer to Norman Ng (my predecessor) dated March 10, 1998, specifically requesting "9300 gallons (nominal)." This is what led to my confusion. So, do these facility permit descriptions regarding the nominal capacities most accurately reflect the actual tanks - namely, Carson with 10000 gallons (nominal) and Wilmington with 9300 gallons (nominal)? Thanks again.

Andrew

-----Original Message-----

From: Reebel, James C. [mailto:REEBELJC@airproducts.com]
Sent: Thursday, June 14, 2007 9:47 AM
To: Andrew Chew
Subject: RE: Aqueous ammonia tank information request

Hey Andrew,

Let me answer your questions below for Carson:

1) I am attaching a PDF showing the NH₃ soln shipments for 2006. I would say 7 to 8 times would be a good approximation for a given year. The SCR is always operating unless the temperature of the reformer exhaust is below 570 F as indicated in our RECLAIM permit.

8/17/2007

2) I am attaching the monthly data from June 2006 through May 2007 and a summary.

So do you need all this information for Wilmington as well? The tank volume in the statement below for your report is for Carson, correct? Thanks!

Jim

From: Andrew Chew [mailto:achew@aqmd.gov]
Sent: Wednesday, June 13, 2007 3:19 PM
To: Reebel, James C.
Subject: RE: Aqueous ammonia tank information request

Jim,

Can you look up the answers to the questions below as they apply to Wilmington also?

Secondly, I plan to add the following information to my evaluation report. Please correct me if I'm wrong: "The capacity of the tank as designed is approximately 8061 gallons. In a typical month, such as May of 2007, the facility uses 1716 gallons of the solution. In a typical 12-month period, the tank is replenished with ammonia solution X times a year. Vapor equalization through the use of a vapor return line connecting the tank to the truck is used to minimize vapors of ammonia as the tank is being filled."

Thanks again.

Andrew

-----Original Message-----

From: Andrew Chew
Sent: Wednesday, June 13, 2007 9:38 AM
To: 'Reebel, James C.'
Subject: RE: Aqueous ammonia tank information request

Hi Jim,

I have a few follow-up questions.

1) How often does the truck come around for filling? Once a month? Once every two months? While the tank is being replenished with the ammonia solution from the truck and the vapor return line has been connected between the tank and the truck, would the SCR be operating at the same time? Is the tank at least continuously connected to the vaporizer which is connected to the SCR? Please correct me if I misunderstand the logistics of the operation.

2) May I have the data representing the usage of ammonia solution over a time period of 12 consecutive calendar months, if available? The data is desirable, but not necessary. I just want to make sure that the usage as inferred from the data in May 2007 reflects that of a typical month.

Thanks again.

Andrew

-----Original Message-----

From: Reebel, James C. [mailto:REEBELJC@airproducts.com]
Sent: Wednesday, June 06, 2007 10:29 AM

8/17/2007

To: Andrew Chew
Cc: B., Creitz, Jennifer
Subject: RE: Aqueous ammonia tank information request

Andrew, have the following information for you for Carson plant:

1) Hill Brothers Chemical Co. informed me that they perform vapor equalization using a 1" vapor return line to their truck.

2) I will send out the drawings for Carson's aqueous ammonia tank (V-135) in the mail tomorrow.

3) I have attached throughput information for May 2007. The data is from meter FE-1906 between the ammonia storage tank and the vaporizer. Scroll all the way down the spreadsheet to see the summary for the month. The meter records in lbs/hr so if you need more months data or some maximum number over a period let me know and I will have to generate the data and send to you separately.

<<Carson May 2007 NH3 Soln Throughput.xls>>

If you have any more questions regarding the ammonia tank please feel free to send me an email or give me a call, thanks!

Jim Reebel
Environmental Specialist
Air Products and Chemicals, Inc.
Los Angeles Area

Office: (310) 847-7300
Fax: (310) 847-7311
Email: reebeljc@airproducts.com

From: Creitz, Jennifer B.
Sent: Friday, June 01, 2007 2:07 PM
To: Reebel, James C.
Cc: Zogelmann, Janice Myers
Subject: Aqueous ammonia tank information request

Hi Jim,

Andrew Chew of the District called today to ask for the following information for both the Wilmington and Carson facilities:

- 1) How the aqueous ammonia tank is filled - submerged filling or some other method?
- 2) He would like as-built drawings of the aqueous ammonia tank.
- 3) He would like the design and current/actual throughput for the aqueous ammonia tanks.

Please feel free to send directly to Andrew, and just copy me.

Thanks,
Jenny

8/17/2007

Andrew Chew

From: Reebel, James C. [REEBELJC@airproducts.com]
Sent: Wednesday, June 06, 2007 10:29 AM
To: Andrew Chew
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8/17/2007

Please feel free to send directly to Andrew, and just copy me.

Thanks,
Jenny

8/17/2007

Andrew Chew

From: Reebel, James C. [REEBELJC@airproducts.com]
Sent: Wednesday, May 30, 2007 7:50 AM
To: Andrew Chew
Subject: RE: Wilmington H2 Plant - flare streams

Oops! Andrew that first reply was for Carson's flare...let me check on Wilmington too and get back to you in a few. Thanks!

Jim

From: Creitz, Jennifer B.
Sent: Wednesday, May 30, 2007 7:11 AM
To: Andrew Chew (achew@aqmd.gov)
Cc: Reebel, James C.
Subject: Wilmington H2 Plant - flare streams

Hi Andrew,

I know that you have some questions on the flare at Wilmington. Jim Reebel is located at the Wilmington and Carson facilities, and he has taken over the Flare Monitoring and Recording Plan - so he can answer many of your questions.

Jim - Andrew is looking for the following:

- 1) An updated summary of the gaseous vents, and if there are streams that are vented continuously besides the normal nitrogen purging of the flare header and the compressor system.
- 2) An updated schematic of the flare tie-ins.

Thanks,
Jenny

Andrew Chew

From: Reebel, James C. [REEBELJC@airproducts.com]
Sent: Wednesday, May 30, 2007 7:48 AM
To: B., Creitz, Jennifer; Andrew Chew
Subject: RE: Wilmington H2 Plant - flare streams

Carson
Carson flare (see 05/30 email from Jim sent 7:50am)

Andrew, I can provide you with copies of what we had submitted with our revised flare monitoring and recording plan if you are unable to obtain the documents from Khang Nguyen (I believe he handles our Rule 1118 issues). There are no additional vents or tie-ins that should be present; the revised plan that was submitted to the AQMD in June 2006 is up to date. Nitrogen purging is the only continuous stream that is vented to the flare. Thanks and let me know if you need copies.

Jim

From: Creitz, Jennifer B.
Sent: Wednesday, May 30, 2007 7:11 AM
To: Andrew Chew (achew@aqmd.gov)
Cc: Reebel, James C.
Subject: Wilmington H2 Plant - flare streams

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Jim - Andrew is looking for the following:

- 1) An updated summary of the gaseous vents, and if there are streams that are vented continuously besides the normal nitrogen purging of the flare header and the compressor system.
- 2) An updated schematic of the flare tie-ins.

Thanks,
Jenny

Andrew Chew

From: Bhaskar Chandan
Sent: Friday, April 27, 2007 8:09 AM
To: Andrew Chew
Subject: RE: Draft Refinery Flare Permitting Requirements - hypothetical application to Air Products (Carson)

Thanks, Andrew, for your comments.

-----Original Message-----

From: Andrew Chew
Sent: Thursday, April 26, 2007 6:13 PM
To: Bhaskar Chandan
Subject: Draft Refinery Flare Permitting Requirements - hypothetical application to Air Products (Carson)

According to the draft guidelines for permitting flares (dated 02/14/07), refineries and hydrogen production plants may file applications to include flaring of certain non-emergency vent gases. Such flaring events would include planned shutdowns, startups, and turnarounds. Here, Air Products has a permit to construct a flare system that allows flaring of vent gases. The P/C for the flare had only one condition. That condition required the facility to install and maintain a flow meter to measure the flow rate of the flare gases. Aside from this condition, the facility has been directing vent gases to the flare during shutdowns, startups, and turnarounds since the time it had been constructed.

It is important to note that this facility like other facilities do not yet have a district-approved Flare Monitoring Plan as required by Rule 1118. Moreover, Air Products in Carson does not have a flare gas recovery system, but uses only pipeline quality natural gas (very low sulfur content) and is not subject to any applicable consent decree. Finally, its flare serves the facility in the capacity of a clean service flare. As a clean service flare, it burns only natural gas, hydrogen, liquefied petroleum gas, or other gases with a fixed composition vented from specific equipment. These gases contain little or no sulfur, and the quality (i.e., heat content and sulfur content) of the gas is usually predictable regardless of the flaring situations.

Hypothetically speaking, upon Air Products' request for an addition/change in permit condition to allow for startups, shutdowns, turnarounds, and essential operational needs to the facility permit; Section 2, rather than Section 1, of the draft guidelines would apply because the vent gases would be sent directly to the flare (in the absence of a flare gas recovery system).

As a post-NSR unit (i.e., not "grandfathered-in"), such application for the modification of its permit would trigger NSR requirements to account for the emissions increases previously unaccounted for as emergency vent gases. These additional emissions would be subject to the full provisions of the NSR.

Moreover, the facility must have a District-approved flare monitoring plan in place to meet Rule 1118 requirements. However, a flare minimization plan per subsection (e) is not required since the facility does not exceed the performance targets for sulfur dioxide as specified in subsection (d)(1).

Additionally, a Rule 1401 review would be required for this post-NSR flare.

Finally, while there is no apparent addition of any other non-emergency streams (except for startups, shutdowns, and turnarounds), a confirmation with the facility must be obtained before finalizing the engineering evaluation.

To conclude, the above steps must be taken to evaluate Air Products' (Carson's) application for change of permit condition to allow venting of gases to the flare system during startups, shutdowns, and turnarounds.

In the remaining paragraphs below, I have put together excerpts of elaborate descriptions of Air Products' (Carson's) flare system:

General Description of Air Products' (Carson's) Flare System

Air Products' (Carson's) flare system consists of an air-assisted elevated flare and a network of piping and ancillary equipment connecting all pressure relief devices and plant vents in combustible gas service. The flare system is custom-designed for collection and combustion of specific vent gas streams from the hydrogen production processes. These gases originate from sources such as plant vents, pressure relief devices, and compressor leakage.

This flare system is different from a typical refinery flare. It only serves a single process unit, the hydrogen plant. Thus, there are relatively few types of vent streams going to the flare. During abnormal hydrogen plant operation (such as startups, shutdowns, and maintenance activities during plant outages), vent streams to the flare are typically infrequent and of short duration (around 72 hours according to the site manager). The composition of the majority of the vents and reliefs to the flare are significantly lighter than those fed to a refinery flare. The compositions of the gases being flared consist mostly of hydrogen, methane, and carbon dioxide.

Venting to the Flare

During normal operation of the hydrogen plant, there are relatively few types of vent streams to the flare. The continuous vent streams are mostly related to normal nitrogen purging of the flare header and of equipment such as feed gas compressor and hydrogen product compressor rod packing. Distance Pieces vent to the atmosphere. During abnormal hydrogen plant operating situations, there may be venting to the flare. As previously stated, these periods of abnormal operation are expected to typically be infrequent and brief.

Type of Flare Service: Clean Service Flare

Rule 1118(b)(1) defines a "clean service flare" as "a gas flare that is designed and configured by installation to combust only natural gas, hydrogen gas and/or liquefied petroleum gas, or any other gas(es) with a fixed composition and vented from specific equipment which has been determined to be equivalent and approved in writing by the Executive Officer." Page I-4 of the District "Final Staff Report" dated December 12, 1997 for the proposed Rule 1118 states that a clean service flare is used to burn only natural gas, hydrogen, liquefied petroleum gas, or other gases with a fixed composition vented from specific equipment. These gases contain little or no sulfur, and the quality (i.e., heat content and sulfur content) of the gas is usually predictable regardless of the flaring situations.

The flare at Carson is a clean service flare. This flare burns gases with compositions that are usually predictable. The sulfur content of these gases is that of commercial pipeline natural gas or less. These gases come solely from the hydrogen plant itself; and they come from defined pieces of equipment and defined points within the hydrogen production process.

Types of Gases Flared

The four categories of vent gases to the Carson flare are as follows:

- Natural Gas, which is the Process Feed Gas (to the reformer)
- Syngas (feed gas to the PSA unit)
- PSA Purge Gas (primary fuel to the reformer burners)
- Hydrogen Product (to refinery customers)

The Syngas, PSA Purge Gas, and the Hydrogen Product are all sulfur-free. The Process Feed Gas is

sulfur-free (trace amounts) downstream of the desulfurization step. Upstream of the desulfurization step, the Process Feed Gas, which is commercial pipeline quality natural gas, does not contain small amounts of sulfur.

There are multiple tie-ins to the 20-inch diameter flare header. These tie-ins come from various points in the hydrogen plant.

Description of Vent Gases: Process Feed Gas

The Southern California Gas Company sends commercial pipeline quality natural gas to the hydrogen plant in a single pipeline. The hydrogen plant uses this stream both as the hydrocarbon feedstock to the hydrogen production process (Process Feed Gas) and as fuel to the reformer furnace. The Process Feed Gas portion of this stream is treated (i.e., hydrogenation and desulfurization) prior to its introduction into the catalyst-filled tubes of the reformer. The fuel portion is sent directly to the reformer furnace burners without treatment. From the hydrogen plant's battery limits to the point of introduction into the catalyst-filled reformer tubes, the composition of the Process Feed Gas is relatively constant, with a few minor exceptions. In all cases, these exceptions actually serve to reduce the concentrations of hydrocarbons and/or sulfur in the Process Feed Gas.

One exception is that some of the hydrogen product out of the PSA unit may be recycled back to the Process Feed Gas, at a point downstream of the multi-service compressors and upstream of the hydrogenation reaction. This recycle is done on a continuous basis to provide the hydrogen needed in the Process Feed Gas to drive the hydrogenation reaction in the hydrogenation reactor. The net effect of this hydrogen recycle is to reduce the concentrations of olefins and sulfur in the Process Feed Gas.

Another exception is that some process steam is recycled back to the Process Feed Gas, at a point downstream of the desulfurizer and upstream of the reformer. This steam provides the water necessary to drive the reforming reaction in the reformer. The net effect of this process steam recycle is to reduce the concentrations of hydrocarbons and sulfur in the Process Feed Gas.

Another exception is that downstream of the desulfurizer the Process Feed Gas is sulfur-free (trace amounts). The sulfur in the Process Feed Gas is removed in the desulfurizer.

Syngas

Syngas is the feed gas into the PSA unit. During normal operation, syngas composition is mostly hydrogen and carbon dioxide, with lesser amounts of methane, nitrogen, carbon monoxide, and water. The composition of the Syngas is relatively constant from the exit of the reformer to the inlet to the PSA unit, with basically one exception.

The exception results from the high temperature shift (HTS) reactor, which is located between the reformer and the PSA unit. In the HTS reactor, the continuation of the exothermic water-gas shift reaction increases the mole percentages of hydrogen and carbon dioxide in the Syngas, while reducing the carbon monoxide and water.

The syngas is sulfur-free (trace amounts) because of the desulfurization of the Process Feed Gas upstream of the reformer.

PSA Purge Gas

To produce high purity hydrogen, the syngas is sent to the PSA unit. PSA Purge Gas is the offgas from the regeneration of the adsorber vessels in the PSA unit. Regeneration is accomplished by depressurizing an

adsorber vessel and purging it with some of the plant's gaseous Hydrogen Product to remove the impurities that had been adsorbed from the syngas feed to the PSA unit. During normal operation, the PSA purge Gas is composed mostly of carbon dioxide, hydrogen, and methane, with lesser amounts of carbon monoxide, nitrogen, and water. The PSA Purge Gas is collected in surge drums, which act as surge vessels to dampen swings in PSA purge gas flow rate and composition. From the surge drums, the PSA purge gas is sent to the reformer furnace burners as the primary fuel during normal operation.

Hydrogen Product

Hydrogen Product is the high purity gaseous hydrogen exiting the PSA unit. After compression, this Hydrogen Product is sent by pipeline to the refinery customers. The hydrogen product is 99.95 mole percent hydrogen, with only trace amounts of nitrogen, methane, and carbon monoxide.

Flare Operation

There are three scenarios by which vent gases are sent to the flare:

- Opening of the automatic vent valves
- Opening of manual vent valves
- Opening of safety relief valves

Automatic Vent Valves

There are three automatic vent valves in the plant that vent to the flare. These three valves have been estimated to account for more than 95% of the vent gases sent to the flare. The three automatic vent valves are for: 1) the Syngas upstream of the PSA unit; 2) PSA Purge Gas downstream of the PSA unit; and 3) Hydrogen Product downstream of the PSA unit.

These automatic vent valves are activated by pressure in the process line it serves. They serve as control valves by which the valve position adjusts to regulate the flow rate through the valve. They are not mutually exclusive; more than one can be open at the same time. Their status are tied into the plant's DCS.

Compressor Blowdowns and Manual and Safety Relief Valves

Other than the main vent valves, compressor blowdowns and manual and safety relief valves account for the remainder of the vent gases sent to the flare. The compressor blowdowns are typically done once per day and are brief in duration (typically 1 to 2 minutes). There are many manual valves and safety relief valves in the hydrogen plant that vent to the flare, but these valves are open very infrequently. The manual valves are valves that must be manually opened by plant personnel. These manual valves are normally opened only during abnormal operations such as startups, shutdowns, and maintenance activities during plant outages. Safety relief valves also are normally opened only during abnormal operations such as process upset. Safety relief valves are in effect spring-loaded manual valves. They are intended to relieve excessive pressure and to then reseal themselves.

Andrew Chew
Air Quality Engineer
Refineries, E&C
x2493
achew@aqmd.gov

Thanks Andrew. Any comments on Jay's guidelines would be helpful. You can look at his guidelines from the Air Products Flare permitting perspective. I would appreciate if you could submit your comments by middle of next week.

-----Original Message-----

From: Andrew Chew
Sent: Thursday, April 26, 2007 5:02 PM
To: Bhaskar Chandan
Subject: RE: Flare Permitting Requirements

Bhaskar,

Thanks for forwarding the WSPA comments. I have carefully reviewed it and do not have any comments to add at this time. Because the draft permitting guidelines disseminated by Jay has just been brought to my attention yesterday, I have not fully grasped the motivation/purpose/goals that he wanted to achieve through the guidelines. However, I would be able to explain the degree to which the draft guidelines could apply to Air Products in an e-mail message. I will e-mail this to you later. Thanks.

Andrew

-----Original Message-----

From: Bhaskar Chandan
Sent: Thursday, April 26, 2007 11:53 AM
To: Andrew Chew; Johnny Pan; Hannea Cox
Cc: Sawsan Andrawis
Subject: FW: Flare Permitting Requirements

Please review the attached and let me know if you have any comments. Thanks.

-----Original Message-----

From: Jay Chen
Sent: Wednesday, April 25, 2007 4:57 PM
To: Tran Vo; Paul Park; Bhaskar Chandan; Khang Nguyen
Subject: Flare Permitting Requirements

Finally, we have WSPA's comments on the flare permitting guideline. Please review and provide me with your comments by May 3 or so and then I'll schedule a meeting for further discussion. Thanks.

Jay

-----Original Message-----

From: Mike Wang [<mailto:mwang@wspa.org>]
Sent: Wednesday, April 25, 2007 1:35 PM
To: Jay Chen
Subject: Refinery Permitting Paper

Jay:

Thanks for giving WSPA the chance to review your permitting concept paper. WSPA has prepared fairly extensive comments on your paper that reflect our continuing efforts to comply with Rule 1118 and our understanding of the requirements under applicable statutes and regulations.

Again, thank you for allowing us to view this document. If you have any questions, feel free to contact me."

<<Flare Permitting Requirements (Jay Chen) rev 042007.doc>>

Mike Wang

Senior Advisor, Southern California, Legal Issues, Budget Planning and Analysis
Off: 310-808-2149
Cell: 626-590-4905

excess oxygen, it is impossible to keep NOx corrected to 3% O2 within the permitted limit. The NOx mass emissions during this time will be low, due to the significantly decreased fuel flow, however, NOx concentration corrected to 3% O2 will be high.

The alternative to a minimum fire trip would be a total reformer trip. In the case of the total reformer trip, the shutdown and startup provisions apply. In the case of a total reformer trip, we actually have a greater period of uncontrolled emissions before we can inject ammonia to the SCR system when compared to the minimum fire trip condition. In the case that the minimum fire trip condition is not exempted from NOx control requirements, we would inadvertently be pushed to a greater emission case (the total reformer trip). To avoid potential non-compliances with a 15-minute NOx limit, the startup and shutdown exemption should also apply to minimum fire upsets.

8. Additionally, any upsets that result in the purge gas fuel system tripping result in a dramatic change in the fuel composition to the burners, and therefore a sudden change in NOx production. The SCR system cannot react quickly enough during this purge gas fuel upset to maintain NOx below the permitted limit. The SCR system, although designed to control to very low NOx levels, is designed for a relatively steady system, and cannot control to a 15-minute accuracy through all upset conditions.
9. I would therefore propose the following language for NOx control during startups, shutdowns, and upset conditions. Please note that although I have proposed a 12-hour allowance for upset conditions, I have reduced the startup and shutdown allowance to 24 hours.

Proposed permit language for Condition 336-2:

The operator shall vent the vent gases from this equipment as following:

This heater shall not be operated unless it is vented only to air pollution control equipment consisting of a selective catalytic reduction (SCR) system which is in full use and which has been issued an operating permit by the executive officer, except during startup, ~~or shutdown, minimum fire trip, or purge gas system upset period.~~

Startup or shutdown period, excluding the refractory dry-out period, shall not exceed ~~48~~24 consecutive hours. On a cold startup if the heater exhaust reaches 570 F, the flue gas shall be vented through the SCR system using ammonia injection. Refractory dryout and steam blows shall be permitted up to a total of 144 consecutive hours to allow the curing of refractory materials and blowing out of steam lines.

Minimum fire trip or purge gas system upset periods shall not exceed 12 consecutive hours.



Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (610) 481-4911

3 June 1998

Mr. Norman Ng
Refinery, Energy & OCS Team
South Coast Air Quality Management District
21865 E. Copley Drive
Diamond Bar, CA 91765-4182

Subject: Air Products and Chemicals, Inc. Carson Hydrogen Plant
Comments on Draft Permits to Construct - Hydrogen Plant and Reformer Furnace
A/N 337978 and A/N 337979

Dear Mr. Ng:

I appreciate the opportunity to review the drafts of two of the Permits to Construct for the Air Products and Chemicals, Inc. (Air Products) Carson Hydrogen Plant. I would like to offer the following comments for discussion.

Hydrogen Plant - A/N 337978

1. Please delete the reference to 115 MMSCFD maximum listed in the Equipment Description. You had indicated that it was not necessary to list a maximum hydrogen production rate in the permit, only a maximum firing rate as the firing rate is the source of emissions. The plant being built is a nominal (name-plate) 96 MMSCFD hydrogen. This is the 'guaranteed' production rate. We certainly hope that by operating the plant efficiently, that we will be able to produce additional hydrogen, while firing no more than the 764 MMBtu/hr HHV maximum firing rate.
2. Delete 904 MMBTU/HR maximum. 764 MMBtu/hr HHV is the maximum firing rate. Please specify that the firing rate is in HHV.
3. Condition 57-1 - Please add the word 'upsets' following emergency. 'The operator shall vent this equipment to the reformer heater whenever the hydrogen plant is in operation, except during startup, shutdown, or emergency upsets.'

Reformer Furnace - A/N 337979

1. There are 117 burners, not 91 burners.
2. CO limit is now 10 ppmv.
3. It is unclear what the (5) indicates after the NOx and CO limits in the 'Emissions* And Requirements' column. I was also unsure what the asterisk references in the 'Emissions* And Requirements' heading.
4. What averaging times are associated with the emissions limits listed in the 'Emissions* And Requirements' column? As you know, Air Products has serious concerns about complying with a 15-minute NOx averaging period. The biggest concern with the 15-minute average is problems associated with the ammonia injection nozzles plugging. Ammonia injection nozzles inherently plug, reducing ammonia flow to the SCR system for several minutes. Reviewing the Wilmington Plant CEM data, if the Wilmington plant permit limit was a 15-minute average, there would have been an estimated 36 exceedances in a year, whereas the 24-hour average produced no exceedances.

I believe the plugging of an injection nozzle would be covered under the AQMD breakdown provisions, however, as it is not a totally infrequent occurrence, it would in turn result in frequent exceedances and subsequent breakdown reports. These incidents might soon be written up as violations without breakdown relief. I feel a permit provision for ammonia injection nozzle pluggage is the only way to avoid numerous violations of a 15-minute average.

5. Please delete reference to 115 MMSCFD maximum listed in the Equipment Description (see comment 3 above under Hydrogen Plant - A/N 337978.) Delete 904 MMBtu/hr maximum.
6. Condition 336-2. In the third paragraph, please add the words, 'On cold startup' to the 570 F requirement for ammonia injection - 'On cold startup if the heater exhaust reaches 570 F, the flue gas shall be vented through the SCR system using ammonia injection.' Occasionally the reformer will trip and we will be able to quickly restart the reformer, without cooling the plant down. This means that it is possible for the reformer to trip and be restarted, and the temperature in the convection section at the SCR to never drop below 570 F. It is not possible, however, to have continual ammonia injection throughout this entire period. We can very quickly restart ammonia injection, but we first have to re-establish air flow through the furnace and re-light the burners.
7. Condition 336-2 In evaluating a potential 15-minute NOx limit, we have reviewed operating scenarios which would lead to a non-compliance with the NOx limit. There is a minimum fire upset case in which the plant experiences an upset and instead of tripping completely, trips to a minimum fire state. Although the process gas trips offline, a minimum number of burners remain lit so that the plant stays 'hot' and can more quickly be restarted. In a case like this, excess oxygen quickly approaches 20%, until more burners can be lit. With the escalated

During startup, shutdown, minimum fire trip, purge gas system upset, and dry-out/steam blow periods, records shall be kept and maintained for at least two years for the following: hourly firing rates, flue gas temperature, process feed flow rates, inlet and outlet process fluid temperatures, excess O₂, and NO_x emissions. Such records shall be made available to the District upon request.

10. Condition 336-2. In the last paragraph, please change the parameter 'excess air' to 'excess oxygen.' Oxygen is the actual parameter being measured.
11. Condition 182-1(c). We would prefer if we had 90 days to submit the report to the District. We find that even with 90 days, as at Wilmington, it is challenging to get an initial report from the stack tester, go back and forth with typos and errors, and have a final report submitted to the District within 90 days.
12. Condition 182-1(e). I do not think that a SO_x source test is warranted. As we have demonstrated through numerous tests on the PSA purge gas at the Wilmington Hydrogen Plant, the PSA purge gas is sulfur free. The trim fuel will be natural gas, which I believe is exempt from source testing requirements. Additionally, SO_x emissions from the reformer furnace are estimated to be 0.09 lb/hr (0.07 ppm maximum), and meeting the District's source testing requirements at this low level may not be possible.

Please also see the 'markups' on the attached copies of the permits. Feel free to contact me at (610)481-4755 if you have any questions or comments.

Sincerely,

Jennifer B. Creitz
Sr. Environmental Engineer
GEG Environmental, Health & Safety

enclosure
jbc:\carson\aqmd34.doc

Fax Cover Sheet



To: Norman Ng
Company: SCAQMD
Phone: 909-396-2460
Fax: 909-396-3341

From: Jenny Creitz
Company: Air Products & Chemicals Inc.
Phone: 610-481-4755
Fax: 610-481-6186

Date: 6/4/98

**Pages including this
cover page:**

11

Norman,

Attached please find some comments on the draft permits that you gave me in our meeting on May 14. I'll look forward to reviewing all the drafts next Tuesday, June 9.

Thanks,
Jenny

South Coast Air Quality Management District

Permit Processing Fee Report

User: elvar

Check Entry Date : 05-24-2002

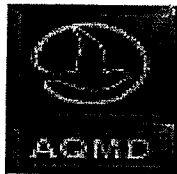
Check Tracking No.: 20158 Aba Nbr: 60-160 Check No: 2368655 Check Date: 05-01-2002 Check Amt: \$2,797.55 Payer: AIR PRODUCTS & C

Facility ID: 3417

Facility Name: AIR PROD & CHEM INC

Project ID: 22582

Transaction Nbr.	Action Type	Transaction Type	Reference Number	Transaction Date	Transaction Status	Invoice Nbr.	Transaction Amt.	Ar Balance
6304784	ADJINV	PERMIT PROCESS	401782	07-26-2002	PD	1394347	\$2,797.55	\$0.00
6304784	INVOICE	PERMIT PROCESS	401782	05-24-2002	PD	1394347	\$0.00	\$0.00



Title V Application Checklist

P261
Team F

Step	Information/Action	Enter Information or Take Action	Check When Done
1	Facility ID	3417	<input checked="" type="checkbox"/>
2	Is this a new facility?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3	Team Assignment	FC	<input checked="" type="checkbox"/>
4	Initial Title V Application?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	<input checked="" type="checkbox"/>
5	If NO in step 4 - is this a Title V Admin C/O?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	<input type="checkbox"/>
6	If NO in step 4 or 5, is it Title V Revision?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	<input type="checkbox"/>
7	Is Facility tagged as Title V?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	<input checked="" type="checkbox"/>
8	Is Facility in RECLAIM?	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	<input type="checkbox"/>
9	Application Type (type #)	75	<input checked="" type="checkbox"/>
10	BCAT (If known)	555004	<input checked="" type="checkbox"/>
11	Tracking #		<input type="checkbox"/>
12	Is step 4 or 5 marked YES?	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> If YES, make copy of forms 400-A and 500-A2 along with this checklist and put in TV Admin Box. If NO, just place completed checklist in TV Admin Box.	<input type="checkbox"/>

Initials:

P261 Date: 5.16.02

Comments:

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Telephone (610) 481-4911

9 May 2002

Mr. Rob Castro
Title V Administration
South Coast Air Quality Management District
21865 E. Copley Drive
Diamond Bar, CA 91765-4182

Subject: Air Products and Chemicals, Inc. Carson Hydrogen Plant (Facility ID 3417)
Title V Permit Application


Dear Mr. Castro:

Enclosed please find a complete Title V permit application for the Air Products and Chemicals, Inc. Carson Hydrogen Plant. This application contains the following:

- Form 400-A, Application for Permit to Construct and Permit to Operate
- Form 500-A2, Application Certification
- Form 500-B, List of Exempt Equipment
- Form 500-C1, Compliance Status Report
- Application fee (\$2,797.55)

Please feel free to contact me at (610)481-4755 should you have any questions regarding the Title V permit application.

Sincerely,


Jennifer B. Creitz
Pr. Environmental Engineer
North America Environmental

Enclosure
Title V Permit Application

**Title V
Form 500-A2**

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
Application Certification**

Section I - Facility Information

1. Facility Name: AIR PROD CARSON HYDROGEN PLANT Facility ID (6-Digit): 003417
2. This Certification is submitted with a (Check one):
a. ☒ Title V Application
b. ☐ Supplement/Correction to a Title V Application
3. Is Form 500-C2 included with this Certification? a. ☒ Yes b. ☐ No

Section II - Responsible Official Certification Statement

I certify under penalty of law that I am the responsible official for this facility as defined in AQMD Regulation XXX and that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attached application forms and other materials are true, accurate, and complete.

Read each statement carefully and check each that applies.

1. For Initial & Permit Renewal Application Certifications:

- a. ☒ The facility, including equipment that are exempt from written permit per Rule 219, is currently operating and will continue to operate in compliance with all applicable requirement(s) identified in Section II and Section III of Form 500-C1,
i. ☐ except for those requirements that do not specifically pertain to such devices or equipment and that have been identified as "Remove" on Section III of Form 500-C1.
ii. ☐ except for those devices or equipment that have been identified on the completed and attached Form 500-C2 that will not be operating in compliance with the specified applicable requirement(s).
- b. ☒ The facility, including equipment that are exempt from written permit per Rule 219, will meet in a timely manner, all applicable requirements with future effective dates.

2. For Permit Revision Application Certifications:

- a. ☐ The equipment or devices to which this permit revision applies, will in a timely manner comply with all applicable requirements identified in Section II and Section III of Form 500-C1.

Scott A. Sherman

TS

8 May 2002

Signature of Responsible Official

Date

Scott A. Sherman, Air Products And Chemicals, Inc.

610-481-2418

Type or Print Name of Responsible Official

Phone

Vice President & General Manager - Chemical Process Industries

610-481-3234

Title of Responsible Official

Fax

7201 Hamilton Boulevard

Allentown

PA

18195-1501

Address of Responsible Official

City

State

Zip Code

Acid Rain Facilities Only: Turn page over & complete Section III

TITLE V APPLICATION CERTIFICATION

- TO BE COMPLETED BY TITLE V FACILITIES ONLY -

Section IV - Title V Application

1. This is an application for a(n) (Check all applicable boxes and provide the requested information as appropriate):
 - a. ☒ Initial Title V Permit
 - b. ☐ Permit Renewal: Provide current permit expiration date: _____
 - c. ☐ Administrative Permit Revision (Check all that apply)
 - ☐ Change of Ownership. (Complete and attach equipment-specific Form 400-E-xx series forms)
 - ☐ Change of Facility Information
 - ☐ Other, Please specify: _____
 - d. ☐ Other (Complete and attach equipment specific Form 400-E-XX series form(s) to this form if your application involves permit action for new construction, change of location, non-administrative permit revision, alternative operating scenario (AOS), permit shield, streamlined permit conditions, or temporary source permit.)
2. Is this facility required to prepare a Risk Management Plan (RMP) for another agency? ☐ Yes ☐ No

Section V - Title V Submittal Checklist

1. Enter the quantity of each type form submitted in the space provided:

1	500-A2	_____	500-F1
1	500-B	_____	500-F2
1	500-C1	_____	500-F3
_____	500-C2	_____	500-F4
_____	500-D	1	Other (specify): 500-H
2. Additional information referenced in this application submitted (Check **ALL** that apply):
 - a. ☒ Existing Facility Permit
 - b. ☐ Preliminary Facility Permit
 - c. ☐ EFB Report for Year(s) _____
 - d. ☐ None
 - e. ☐ Other (Specify): _____
3. Supplemental information included with this application submittal (Check **ALL** that apply):
 - a. ☐ Facility Plot Plan
 - b. ☐ MSDS Sheet(s)
 - c. ☐ None
 - d. ☒ Other (Specify): Regulatory applicability summary and matrix

AQMD USE ONLY	APPLICATION TYPE		30 DAY PUBLIC NOTICE		PUBLIC HEARING	45-DAY EPA REVIEW	
	INITIAL, RENEWAL & SIGNIFICANT	MINOR & DE MINIMIS	START DATE	END DATE	DATE	START DATE	END DATE
USE THE SECTIONS BELOW FOR TITLE V INITIAL AND RENEWAL APPLICATIONS ONLY:							
APPLICATION/TRACKING #			TYPE B C D	EQUIPMENT CATEGORY CODE: _____/____		FEE SCHEDULE: \$	VALIDATION
ENG. A DATE	R	ENG. A DATE	R	CLASS I III IV	ASSIGNMENT UNIT ENGINEER	ENF. SECT.	CHECK/MONEY ORDER # AMOUNT \$

**TITLE V PERMIT APPLICATION
FOR
AIR PRODUCTS AND CHEMICALS, INC.
CARSON HYDROGEN PLANT**



**PREPARED BY
URS CORPORATION
2020 EAST FIRST STREET
SANTA ANA, CA**

Project No. 57-00231056.01

May 2002

URS

**AIR
PRODUCTS** 

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APPENDIX A - REGULATORY REVIEW MATRICES



Air Products and Chemicals, Inc.
Title V Permit Application
Carson Hydrogen Plant

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<u>3-3</u> Enforceability of Permit Conditions	3

<u>LIST OF SCAQMD FORMS</u>	<u>SECTION</u>
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<u>500-A2</u> Application Certification	1
<u>500-B</u> List of Exempt Equipment.....	2
<u>500-C1</u> Compliance Status Report	3
<u>500-H</u> Compliance Assurance Monitoring (CAM)	3



1.0 GENERAL FACILITY INFORMATION

- ☒ Facility Description
- ☒ Process Description
- ☒ Form 400-A - Facility Information Summary and Permit Action Request
- ☒ Form 500-A2 - Application Certification



**Air Products and Chemicals, Inc.
Title V Permit Application
Carson Hydrogen Plant**

1.1 INTRODUCTION

Air Products and Chemicals, Inc. (Air Products) operates a hydrogen production plant in Carson, California. Per South Coast Air Quality Management District (SCAQMD) interpretation, this facility has been identified as a Clean Air Act Title V Facility and is required to obtain a Title V permit in accordance with Rule 3003(a)(2)(B) in SCAQMD Regulation XXX. In order to comply with these regulations, Air Products contracted URS Corporation to prepare this Title V permit application.

1.1.1 Confidentiality Statement

Some of the data supplied on the attached sheets concerning process operating conditions and process descriptions constitute confidential and proprietary information under Government Code Section 6254.7. Air Products justifies classification of such data as trade secrets because the information contains production data and operating procedures, and therefore would potentially release competitively sensitive information which would be of considerable value to competitors. Therefore, Air Products requests that all such data be handled in confidence.

1.2 GENERAL INFORMATION

Air Products operates a hydrogen production plant with associated pipelines. The hydrogen plant produces gaseous hydrogen and steam. Air Products owns and operates the hydrogen production plant to supply hydrogen to refineries throughout the Los Angeles area. Most of the steam produced is used in the hydrogen production process, however some is exported by pipeline to the Shell Oil Refinery.

The hydrogen plant is located at 23300 South Alameda Street, Carson, California and is situated on a 14.54-acre parcel that is owned by BP. The hydrogen plant occupies approximately 7 acres of the parcel. Figure 1 shows the location of the facility.

The hydrogen plant, as well as the immediately surrounding area, is zoned for heavy industrial use. The hydrogen plant is adjacent on the north to the Texaco Sulfur Recovery Facility; on the west to Alameda Street, the Union Pacific Railroad line, and the BP Los Angeles Refinery; on the south to the BP Coke Storage Facility; and on the east to the Dominguez Channel and Intermodal Container Transfer Facility.

1.2.1 Company Information

Owner/Permittee Name and Mailing Address

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501

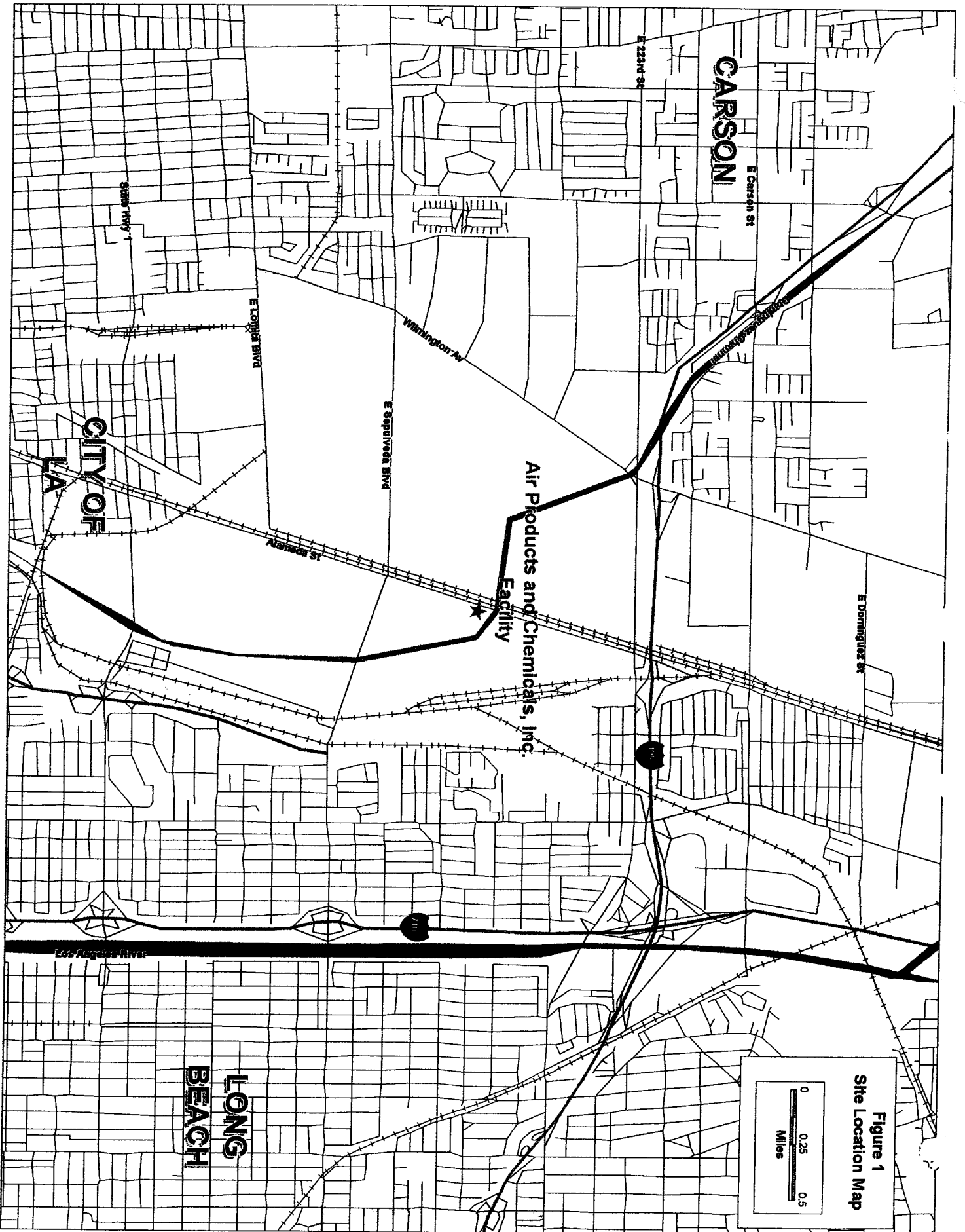


Figure 1
Site Location Map

0 0.25 0.5
Miles

Operator Name and Mailing Address

Air Products and Chemicals, Inc.
7201 Hamilton Boulevard
Allentown, PA 18195-1501
Attention: Jennifer B. Creitz
(610) 481-4755

1.3 PROCESS DESCRIPTION

Gaseous hydrogen is produced by reacting a hydrogen feed stock with steam. Steam is generated in the hydrogen plant by heat recovery. The basic raw materials used in the hydrogen production process are the hydrocarbon feed stock (natural gas) and water. Hydrogen production consists of four basic process steps: (1) natural gas hydrogenation and sulfur removal, (2) reforming, (3) shift conversion, and (4) hydrogen purification. Figure 2 presents the simplified process flow diagram. The hydrogen plant operates 24 hours per day, 365 days per year.

1.3.1 Hydrogenation and Sulfur Removal

Before the process feed can be reformed, the sulfur containing hydrocarbon feed must be hydrogenated and the sulfur species that are present must be removed. Hydro-desulfurization prevents poisoning of the reformer catalyst. Hydrogenation has a secondary benefit in that it reduces the potential for coke formation over the reformer catalyst.

The process feed is preheated in feed preheater E-104 against the hot reformer effluent before entering the hydrogenation reactor (V-104). This vessel contains a cobalt-molybdenum (Co-Mo) catalyst bed. As the process feed flows over the Co-Mo catalyst, sulfur compounds present in the natural gas (primarily methyl and other mercaptans (CH_3SH), and carbonyl sulfide (COS)) are hydrogenated to H_2S and saturated compounds. Downstream of the hydrogenation reactor is a desulfurizer vessel (V-105), which contains a zinc oxide (ZnO) adsorbent. The H_2S formed in the hydrogenation reactions is captured by the ZnO adsorbent. As the hydrotreated process gas flows over the ZnO adsorbent, H_2S is converted to zinc sulfide (ZnS) and water vapor.

1.3.2 Steam Methane Reforming

After purification, this feed gas is mixed with process steam and then preheated in the Mixed Feed Preheat Coil (CC-3) before going to the Pre-reformer (V-103). The Pre-reformer enhances the reforming process prior to the gas going to the main reformer. The Pre-reformer vessel contains a nickel reforming catalyst. The feed gas from the Pre-reformer is reheated in the Mixed Feed Re-heat Coil (CC-2) before going to the primary reformer. In the presence of nickel catalyst, the desulfurized process feed gas reacts with the steam to produce H_2 and carbon oxides (CO and CO_2).

Air Products Carson Hydrogen Plant

Simplified Process Flow Diagram

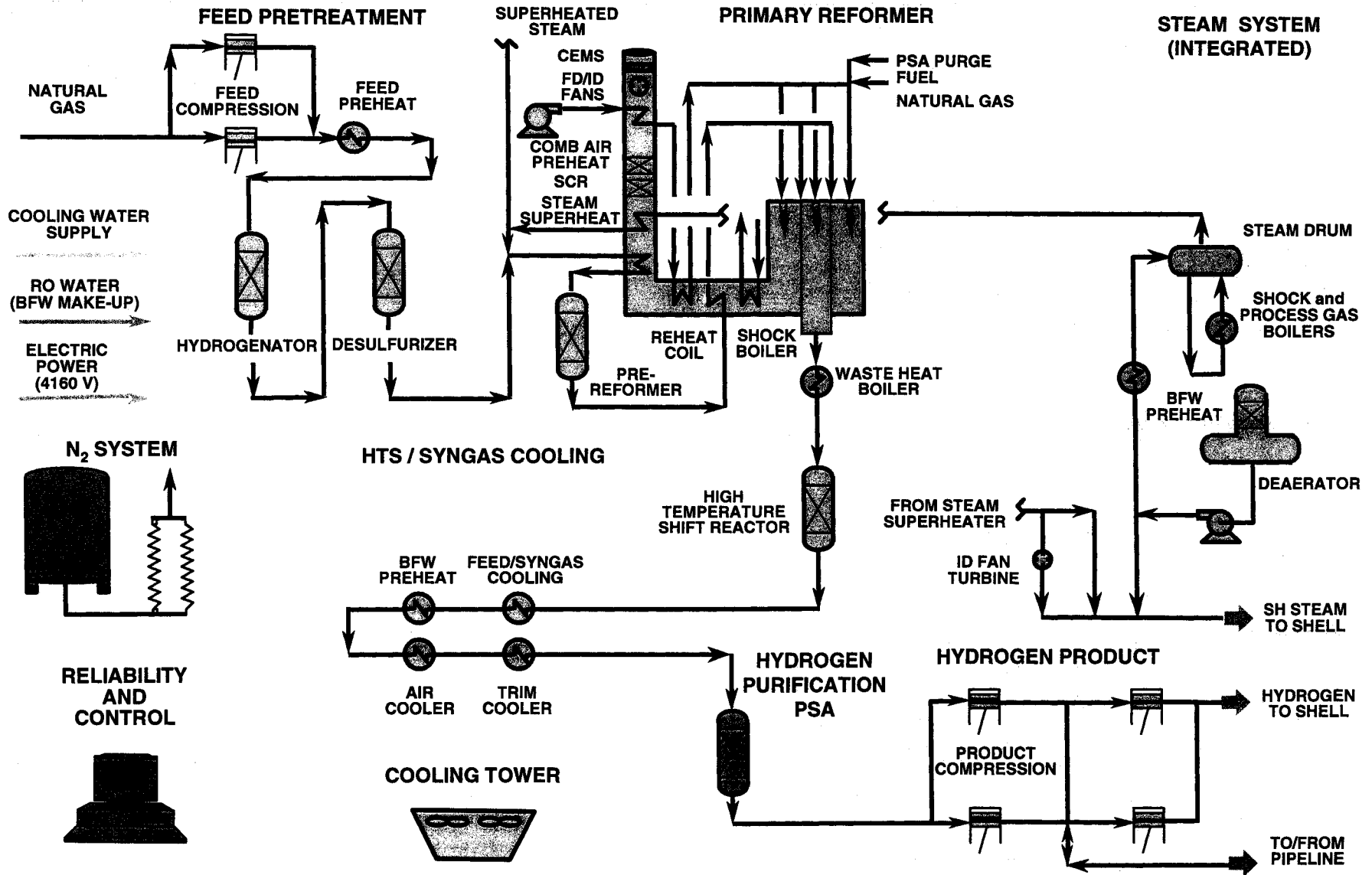


Figure 2

The reforming reaction is endothermic, with the heat supplied by carefully controlled combustion in the radiant section of the reforming furnace. The water-gas shift reaction is exothermic. Both reactions produce H_2 . Before being released to the atmosphere, the reformer furnace flue gas is passed through a waste heat recovery system to generate steam and preheat combustion air to the reformer furnace.

The majority of the reformer heat requirement is satisfied by combustion of purge gas from the PSA purification unit. The PSA purge gas contains all the impurities in the gas fed to the PSA unit along with unrecovered hydrogen (the major components are approximately 49 percent CO_2 , 22 percent H_2 , and 19 percent CH_4 , all volumetric wet basis). Additionally, some hydrogen product may be used as fuel during customer demand changes, as the plant production rate is adjusted. The balance of the heat requirement for the reformer is made up by firing a pipeline quality natural gas as a trim fuel.

1.3.3 High Temperature Shift Conversion

The hot process gas exiting the reformer's nickel catalyst-filled tubes is cooled by heat transfer in the Process Gas Boiler (E-103), the hot process gas gives up heat to a boiler water/steam mixture stream from the Steam Drum (V-108). This stream is recycled back to the Steam Drum. The process gas next enters the High Temperature Shift Reactor (V-109), which contains an iron-chromium (Fe-Cr) catalyst. In the presence of the Fe-Cr catalyst, additional H_2 is produced by a continuation of the exothermic water-gas shift reaction. This step upgrades the process gas from approximately 44 percent H_2 to approximately 50 percent H_2 (volumetric wet basis).

After exiting the High Temperature Shift Reactor (HTS), the hot process gas is cooled by heating the reformer feed gas and the boiler feedwater. The hot process gas is cooled further by preheating boiler feed water, reformer process feed gas, and deaerator makeup water. Final cooling occurs in an air cooler and by non-contact cooling with recirculating cooling water. The cooled process gas then flows to the Hydrogen Purification System.

1.3.4 Hydrogen Purification

After condensate separation downstream of the HTS reactor, the process gas is approximately 74 percent hydrogen, 17 percent carbon dioxide, 6 percent methane, 3 percent carbon monoxide, and trace amounts of nitrogen and residual water vapor (volumetric wet basis). To produce high purity hydrogen, the process gas is sent to the fixed bed Pressure-Swing Adsorption (PSA) Unit (X-101). The PSA Unit is comprised of a series of vessels, each of which contains the same types of adsorbing media. This physical, selective-adsorption process operates on a repeated cycle with the basic steps of adsorption and regeneration.

In the adsorption mode, the impure process gas flows into an adsorber vessel. The adsorbent, consisting of a solid granular alumina molecular sieve, and activated carbon, selectively adsorbs impurities in the process gas, allowing hydrogen to pass through. After the adsorbent bed is loaded with impurities, feed is switched to a clean adsorber vessel, while the loaded adsorber vessel is regenerated.

Regeneration is accomplished by depressurizing the adsorbent bed and purging it with some of the plant's gaseous hydrogen product. The offgas from the regeneration process, henceforth referred to as purge gas, is collected in Surge Drums (V-113A/B), which act as surge vessels to dampen swings in purge gas flow rate and composition. This purge gas is composed of the hydrogen purge and the products of regeneration (i.e., carbon monoxide, carbon dioxide, methane, nitrogen, and water vapor). From the Surge Drums, the PSA purge gas is sent to the reformer furnace burners, where it is combusted. All of the PSA purge gas is burned in the reformer furnace. The reformer furnace combustion temperature is controlled by using natural gas as a supplemental fuel.

The hydrogen produced from the PSA unit has a minimum purity of 99.5 mole percent. The remaining 0.5 percent is made up of hydrogen or trace impurities of carbon monoxide, carbon dioxide, nitrogen, methane, or water. On-line analyzers are provided for measuring CO and the total impurities in the product hydrogen.

1.3.5 Product Compression

Two multi-service, reciprocating compressors are used to compress the hydrogen product for delivery to end users. Each compressor has both feed and product compression.

1.3.6 Steam Generation

Steam is generated in the hydrogen plant by two basic methods: (1) heat recovery from the reformer furnace flue gas; and (2) heat recovery from the process gas out of the reformer. Most of the steam is used in the hydrogen production process, but some is exported by pipeline to the Shell Oil Refinery and other local refineries.

High pressure steam exiting the steam superheat coil (CC-4) in the reformer convection section is let down in pressure through a steam turbine (C-105) prior to being exported to the steam customer(s). Power generated by the steam turbine is utilized to offset the imported power requirement of the hydrogen plant.

1.3.7 Process Condensate

A process condensate stream is generated by the hydrogen plant. The stream results mainly from excess steam added for the reforming reaction. The condensate is removed from the process gas stream exiting the High Temperature Shift Reactor (V-109) and is recycled back to the deaerator where it is blended with makeup boiler feed water. In the deaerator the blended water stream is contacted with steam to heat the water and to strip out dissolved gases (primarily carbon dioxide and oxygen). The stripped water is then pumped and transferred to the steam drum as makeup.

1.3.8 Deaerator

Methanol has been detected as a byproduct produced during the manufacture of hydrogen. Methanol is formed as a trace byproduct when the impure hydrogen stream undergoes the water gas shift reaction in

the High Temperature Shift Reactor (V-109). When the hot process gas is later cooled, steam is condensed, forming process condensate. As steam condensation occurs, methanol condensation also occurs. The resultant process condensate, containing trace amounts of methanol, is recycled back to the deaerator where it is blended with makeup boiler feed water. In the deaerator the blended water stream is contacted with steam to heat the water and to strip out dissolved gases (primarily carbon dioxide and oxygen). The stripped water is then pumped and transferred to the steam drum as makeup. The vent gas from the deaerator, which contains primarily steam and carbon dioxide along with trace quantities of methanol, is routed to the flue gas tunnels located in the bottom of the reforming furnace. Here, in the presence of the 1800°F flue gas containing excess oxygen, any residual methanol is thermally oxidized to carbon dioxide and water before exiting the flue gas stack along with the other combustion products. The deaerator vent does not contribute to criteria or toxic air emissions.

During normal operation all of the deaerator vent flow is continuously directed to the reformer radiant section where it will be mixed with hot flue gas. The flue gas contains a minimum of approximately 1½ percent excess oxygen. In the presence of the hot flue gas and the excess oxygen, the VOCs in the vent stream will be thermally oxidized to CO₂ and water before being discharged to atmosphere via the reformer stack. During plant startup, plant shutdown and emergency upset conditions on the deaerator, the vent is directed to the atmosphere due to safety considerations.

1.4 EMITTING EQUIPMENT DESCRIPTION

The basic equipment from which criteria air pollutants could be emitted, as well as the control equipment associated with the hydrogen plant, are the following:

- Steam Methane Reforming Furnace
- Elevated Flare
- Hydrogen Vent
- Selective Catalytic Reduction System and Aqueous Ammonia Storage

The total capacity of the hydrogen plant is a nominal 96 million standard cubic feet per day (MMSCFD) of gaseous hydrogen.

1.4.1 Steam Methane Reforming Furnace

The steam methane reforming (SMR) furnace is the principal air emissions source of the hydrogen plant. It combusts PSA purge gas, pipeline quality natural gas, and hydrogen. PSA purge gas is composed of hydrogen, methane and carbon dioxide with a heat content of about 320 btu/scf. The PSA purge gas is sulfur free, as it has been processed through the sulfur removal system. The PSA purge gas has been demonstrated to be sulfur free per a District approved testing program at the Air Products Wilmington Hydrogen Plant. The reformer furnace has six coils located post-combustion to allow for heat recovery through the generation of steam, preheat of feed gas, and preheat of combustion air.

1.4.2 Selective Catalytic Reduction (SCR) System and Aqueous Ammonia Storage

NO_x emissions from the reformer furnace are controlled by the Selective Catalyst Reduction (SCR) unit (X-102). The SCR unit reduces nitrogen oxide (NO_x) emissions by injecting aqueous ammonia (NH₃), which reacts with NO_x, into the flue gas.

Aqueous ammonia is vaporized and mixed with air, preheated, and injected into the reformer flue gas, directly upstream of the SCR catalyst. In the presence of the SCR catalyst, the NO_x reacts with the ammonia to form nitrogen and water. The appropriate amount of ammonia is added to reduce the NO_x to the desired concentration. The temperature of the flue gas entering the SCR catalyst is kept within a range of 570°F to 750°F for the reaction to take place. The system uses about 120 lb/hr of aqueous ammonia.

Aqueous ammonia from the storage tank is fed to an ammonia feed pump and through a filter, prior to being combined with atomizing air in the ammonia mixer. Air and heated air are introduced into the system from the instrument air header and ammonia injection blower, respectively. The ammonia/air mixture exiting the ammonia mixer passes through a static mixer and is then sprayed into the flue gas stream through the AIG.

Aqueous ammonia for the reformer furnace SCR unit is stored on-site in an 10,000 gallon (nominal) bulk tank.

A connection is provided to refill the ammonia storage tank from a tanker truck. During the transfill procedure, vapor return from the tank to the truck is controlled by a pressure transmitter. The ammonia storage tank is equipped with vacuum and pressure safety valves. The pressure safety valve vents to atmosphere at a safe location.

1.4.3 Elevated Flare

In addition to the reformer furnace, the other combustion source in the hydrogen plant is an elevated flare. The hydrogen plant's flare system consists of a stand-alone elevated flare and a network of piping and ancillary equipment connecting relief devices and vents in combustible gas service. The flare system collects and disposes of flammable gases emanating from the hydrogen plant. Situations which could cause flaring include an equipment malfunction or an unexpected customer demand change. Flaring due to equipment malfunctions within the plant includes the flaring of process streams to protect safety and equipment. These could be caused by overpressures, fires, process upsets or a range of scenarios. All flammable gas relief valves and vents are directed to the flare. Unexpected customer demand changes could require the flaring of up to 100 percent of the hydrogen product. These demand changes could be caused by upsets or other interruptions in the downstream customer facility.

1.4.4 Hydrogen Vent

Air Products is allowed by permit to the vent product hydrogen streams without combustion as an equivalent technology to flaring. Air Products considers this practice to be beneficial to the air quality in

the South Coast, since it would significantly reduce the facility's nitrogen oxides (NO_x) emissions if product hydrogen is required to be discharged.

Similar to the flare discussion immediately above, unexpected customer demand changes could require the venting of up to 100 percent of the hydrogen product. These demand changes could be caused by upsets or other interruptions in the downstream customer facility. During these sudden customer demand changes, immediate corrective action to lower the hydrogen production rate of the plant is not possible in a very short time frame. Therefore, the excess hydrogen product would be vented without combustion to reduce potential emissions. System upsets and non-hydrogen flaring still would be directed to the proposed elevated combustion flare.

2.0 EXEMPT EQUIPMENT

☒ Form 500-B - List of Exempt Equipment



**Air Products and Chemicals, Inc.
Title V Permit Application
Carson Hydrogen Plant**

This section includes the list of exempt equipment that may be present and operated at the facility. The equipment listed on Form 500-B is exempt from permitting requirements under SCAQMD Rule 219, but may be subject to federally applicable requirements.

Title V SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

Form 500-B List of Exempt Equipment

Use this form for all application submittals requesting an initial Title V permit or permit renewal. If you are applying for a permit revision, you may also use this form to have your exempt equipment listing updated prior to renewing your permit.

This form is designed to summarize all of the equipment at a facility that is exempt from AQMD permit requirements (e.g., I.C. Engines \leq 50 BHP, Boilers $<$ 2 MM BTU/hr etc.). This equipment can be listed according to category. However, if there is a specific device that is vented to control equipment, then the equipment must be listed separately. Trivial activities listed in Table A-4 of Appendix A of the Technical Guidance Document do not have to be listed on this form. Check the box in the last column if the equipment is subject to a regulatory requirement on Form 500-C1. Note: If your facility is in the RECLAIM program, it is not necessary to repeat any equipment currently listed in Appendix A of the RECLAIM permit.

Facility Name: Air Products Carson Hydrogen Plant

Check box if facility is in RECLAIM program: ☒

Facility ID (6-Digit): 3417

Provide Current Permit Issue Date (mo/day/yr): 01/01/02

Permit Revision No.: 4

Section I - Summary of Equipment Exempt from Permit Requirements (Including Portable)

Exempt Equipment Description [e.g., Small Boilers (75,000 BTU/hr-2,000,000 BTU/hr)]	Venting to Control Device Number	Control Device Description	Basis for Exemption [e.g., Rule 219 (b)(2), 05/19/00]	Source Specific Rule [e.g. Rule 1146.2]
Mobile Equipment			219(a), 11/17/00	
IC Engines (<50 bhp)			219(b)(1), 11/17/00	Rules 401, 407, 431.2
Portable IC Engines			219(b)(6), 11/17/00	Rules 401, 407, 431.2
Welding Equipment			219(e)(8), 11/17/00	Rules 401, 407, 431.2
Cleaning Equipment			219(l)(11)(D), 11/17/00	Rule 1171
Storage & Transfer Equip			219 (m), 11/17/00	
Water Cooling Tower			219 (d), 11/17/00	Rule 1404
Machining Equipment			219 (g), 11/17/00	Rule 401
Refrigeration Units			219 (d)(2), 11/17/00	
Laboratory Testing Equip			219 (c)(6), 11/17/00	
Air Conditioning Units			219 (d)(1), 11/17/00	
Abrasive Blasting Equip			219(f)(5)	Rules 401, 402

3.0 REGULATORY APPLICABILITY

- ☒ Regulatory Applicability Analysis
- ☒ Form 500-C1 Compliance Status Report
- ☒ Form 500-H, Compliance Assurance Monitoring (CAM)



Air Products and Chemicals, Inc.
Title V Permit Application
Carson Hydrogen Plant

This section contains a summary of the applicability of federally enforceable rules and regulations. Applicability of current permit conditions are assessed below. Section 3 also contains Form 500-C1 - Compliance Status Report, Form 500-H - Compliance Assurance Monitoring, and a summary of applicable and potentially applicable requirements.

3.1 PERMIT CONDITIONS

Air Products currently operates under a RECLAIM Facility Permit. One of the permit conditions in Section H of that permit is not federally enforceable because it is not derived from a specific federally enforceable regulation. This condition is listed in Table 3-1.

3.2 REGULATORY APPLICABILITY ANALYSIS

Form 500-C1 - Compliance Status Report identifies applicable federally enforceable and SCAQMD non-federally enforceable requirements. The regulatory analyses in Tables 3-2 and 3-3 identify local, state, and federal air quality requirements that are currently applicable to Air Products. The regulatory analyses also identify regulatory requirements that are expected to become effective during the permit term.

Table 3-2 summarizes the requirements that have been found to be applicable to Air Products, or those that are not applicable but were determined to require clarification as to their non-applicability. The table also lists the applicable monitoring, recordkeeping, and reporting requirements and cites the regulatory reference. When applicable, the document titled *SCAQMD Periodic Monitoring Guidelines for Title V Facilities*, published in November, 1997, is referenced. Table 3-3 summarizes the federal applicability and requirements of the conditions listed on the current SCAQMD RECLAIM Facility Permit held by Air Products.

In order to develop a comprehensive listing of applicable requirements, matrices of both applicable and inapplicable requirements were developed. These matrices are located in Appendix A, Tables A-1.0 through A-1.6 for federal requirements and Table A-2 for SCAQMD requirements.

Table A-1.0 lists federally promulgated requirements from Title 40 of the Code of Federal Regulations (CFR). The table also lists the specific applicability of each 40 CFR Part to Air Products, the reason the 40 CFR Part is or is not applicable, and where potentially applicable, the expected promulgation date of future regulations. Table A-1.0 references additional tables (A-1.1 through A-1.6) of this regulatory analysis, where the 40 CFR Subparts of each potentially applicable 40 CFR Part are listed and further analyzed. If the 40 CFR Subpart is applicable, the table then indicates whether the regulation is applicable to the entire facility or to what permit units the regulation applies, the size and type of equipment subject to the applicable regulation, the monitoring, recordkeeping, and reporting (MRR) required by the regulation, and the test methods that must be used. Tables A-1.1 through A-1.6 also list the date that future regulations are expected to become effective, if applicable.

Table A-2 lists SCAQMD rules and regulations. This table presents information in a similar format to that described for Tables A-1.1 through A-1.6. In addition, Table A-2 lists the State Implementation Plan (SIP) approval status of each rule. Only those rules that are included in the SIP and are approved by the

Environmental Protection Agency (EPA) are considered federally enforceable requirements and are subject to EPA enforcement through the Title V Permit. The EPA is currently in the process of reviewing many SCAQMD rules and regulations.

Table 3-1**Non-Federally Enforceable/Obsolete Permit Conditions**

Permit Unit	RECLAIM Section #	Condition Number and Description	Reason to Remove Condition
Flare	H	12-2 The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the flare gases in order to comply with District Rule 1118.	Not federally enforceable. The EPA states that if you cite language from a nonfederally enforceable rule, then that condition becomes federally enforceable. This condition should be removed and Rule 1118 should be indicated as applicable.

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
40 CFR Part 60, Subpart D	NSPS for fossil fuel fired steam generators for which construction is commenced after 8/17/71.	None	This rule does not apply to the facility. Equipment at the facility does not fit the definition of "Fossil fuel fired steam generating unit" - A furnace or boiler used in the process of burning fossil fuel for the purpose of producing steam by heat transfer (40 CFR 60.40(a)). The purpose of the fuel burning equipment is to generate hydrogen. Steam is generated through the recovery of waste heat from the process.	N/A
40 CFR Part 60, Subpart Da	NSPS for electric utility steam generating units for which construction is commenced after September 18, 1978	None	This rule does not apply to the facility. Equipment at the facility does not fit the definition of "utility steam generating equipment" - Any steam electric generating unit that is constructed for the purpose of supplying more than one third of its potential electric output capacity and more than 25 MW electrical output to any utility power distribution system for sale (40 CFR 60.40a). The purpose of the fuel burning equipment is to generate hydrogen. Steam is generated through the recovery of waste heat from the process. The electricity generated is to be used by Air Products only and is not subject to this regulation.	N/A
40 CFR Part 60, Subpart Db	NSPS for industrial- commercial- institutional steam generating units	None	This rule does not apply to the facility. Equipment at the facility does not fit the definition of a steam generating unit - a device that combusts any fuel to produce steam or to heat water or any other heat transfer medium (40 CFR 60.40b). This term does not include process heaters as they are defined in this subpart. The purpose of the fuel burning equipment is to generate hydrogen. Steam is generated through the recovery of waste heat from the process.	N/A

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
40 CFR Part 60, Subpart Dc	NSPS for electric utility steam generating units for which construction is commenced after September 18, 1978	None	This rule does not apply to the facility. Equipment at the facility does not fit the definition of a steam generating unit - a device that combusts any fuel to produce steam or to heat water or any other heat transfer medium (40 CFR 60.40c). This term does not include process heaters as they are defined in this subpart. The purpose of the fuel burning equipment is to generate hydrogen. Steam is generated through the recovery of waste heat from the process.	N/A
40 CFR Part 60, Subpart GG	Standards of performance for stationary gas turbines with a heat input greater than 10.7 GJ/hr	none	This rule does not apply to the facility. Equipment at the facility does not fit the definition of a "stationary gas turbine" - Any simple cycle gas turbine, regenerative cycle gas turbine or any gas turbine portion of a combined cycle/electric generating system that is not self propelled.	N/A
40 CFR Part 61, Subpart M	National Emission Standard for Asbestos	none	This rule does not apply to the facility since there is no asbestos.	N/A
40 CFR Part 63, Subpart Q	National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers	none	This rule does not apply to the facility since there are no chromium-based water treatment chemicals used in the cooling tower.	N/A
40 CFR Part 63 (future)	NESHAP - Process Heaters	none	The facility is not a major source for HAPS. Therefore NESHAP regulations are not applicable.	N/A
40 CFR Part 63 (future)	NESHAP - Stationary Internal Combustion Engine	none	The facility is not a major source for HAPS. Therefore NESHAP regulations are not applicable.	N/A
40 CFR Part 63 (future)	NESHAP - Stationary Turbines	none	The facility is not a major source for HAPS. Therefore NESHAP regulations are not applicable.	N/A

**Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements**

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
40 CFR Part 64	Compliance Assurance Monitoring (CAM)	none	<p>This rule does not apply to the facility.</p> <p>The SCR for the reformer is exempt from CAM because it is installed to comply with NOx emission limitations for which the Part 70 permit will specify CEMS as a continuous compliance method.</p> <p>The flare is not subject to CAM because it does not fit the Part 64 definition of control equipment. The flare is "inherent process equipment" because:</p> <ol style="list-style-type: none"> (1) The primary purpose of the equipment is to provide safety for facility personnel, and (2) The equipment would be installed even if no air quality regulations were in place <p>In addition, the flare fits the definition of "inherent process equipment" from the preamble to Part 64:</p> <p>"equipment that is necessary for the safe functioning of the process ... installed for purposes other than compliance with air pollution regulations."</p>	N/A
40 CFR Part 68	Chemical accident prevention provisions	Hydrogen Plant	Prepare Risk Management Plan for hydrogen plant and ammonia storage (40 CFR 68).	RMP Plan was submitted to administering agency. Plan not included in Title V permit.
40 CFR Part 82	Protection of stratospheric ozone	Units containing ozone depleting compounds	<p>Applicable Requirement</p> <p>40 CFR 82, Subpart F states units containing ozone depleting compounds (e.g. air conditioners, refrigerators) must be serviced by technicians certified by the EPA to perform such work.</p>	None required for units with less than 50 pounds of refrigerant.

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 109 (8/18/00)	Recordkeeping for volatile organic compound emissions	Facility Degreaser (remote reservoir cold cleaner)	This rule applies to the use of cleaning solvents used during the application of architectural coatings. The degreaser is exempt per Rule 1171 (h)(1), since the cleaning solution used has a VOC content as measured by EPA Method 24 of 2.71 g/l.	Facility 109(c)(1) – Facility must maintain daily records of the following: <ul style="list-style-type: none">- each applicable District rule number- method of application- amount of and type of solvent used- VOC content in each solvent used- Amount of diluent, surface preparation, clean-up, or wash-up solvent used and VOC content of each Degreaser: N/A
Regulation II	Permits	General Requirement	Applicable Requirement Regulation II contains Rules 201-221. These rules specify the sources which must obtain a permit, the requirement for sampling facilities for certain sources, and exemptions for certain types and sizes of equipment. These rules generally apply to all facilities.	N/A
Rule 206 (10/8/93)	Posting of permit to operate	All Permitted Equipment	Applicable Requirement Requires posting of permit to operate.	206(a) requires permit be posted on or within 26 feet of each permitted piece of equipment. 206(b) - Copy of permit must be kept on site and available for inspection. Note: RECLAIM permit states that in accordance with Rule 206, a copy of the permit must be kept at the location for which it is issued.

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 217 (1/15/90)	Provision for sampling and testing facilities	SCR exhaust	Applicable Requirement Must provide sampling and testing facilities as required by the SCAQMD.	N/A
Rule 218 (5/14/99)	Continuous Emission Monitoring	None	The CEMS is exempt from this rule per Rule 2001 (j)	N/A
Rule 219 (11/17/00)	Equipment not requiring a written permit pursuant to Regulation II	see Requirement	The following equipment which may be present at the facility are not subject to permitting requirements of Regulation II: 219(a) Mobile equipment 219(b) Internal combustion engines <50 bhp, or portable internal combustion engines 219(c)(6) Laboratory testing equipment used exclusively for chemical and physical analysis (analyzer exhaust) 219(d)(1) Air conditioning units 219(d)(2) Refrigeration units 219(d)(3) Water cooling towers 219(e)(8) Welding equipment 219(g) Machining equipment 219(l)(11)(D) Remote reservoir cleaners provided the solvent from the sink -like area immediately drains into an enclosed solvent container while parts are being cleaned. 219(m) Storage and transfer equipment	Keeps records adequate to demonstrate applicability of exemption.

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Regulation III	Fees	Facility	<p>Applicable Requirement</p> <p>Regulation III contains rules 301-311 which outline the fees required for facilities in the SCAQMD. Regulation III is generally applicable to all facilities. Fees specifically applicable to Air Products include:</p> <p>301(d) requires the facility to pay annual operating permit renewal fee for all permit units</p> <p>301(e) requires the facility to pay fee for emissions associated with permitted equipment</p> <p>301(o) requires the facility to pay fees associated with the administration of the RECLAIM program</p> <p>301(p) Requires the facility to pay Title V permit processing and renewal fees</p>	301(e) - Keep records adequate to quantify emissions of criteria pollutants
Rule 401 (11/9/01)	Visible emissions	Reformer, Flare, Portable IC Engine for Welding	<p>Applicable Requirement</p> <p>Emissions from any single source shall not be as dark or darker than Ringlemann No. 1 for more than 3 minutes in any hour (401(b)(1)).</p>	<p>(Periodic Monitoring Gap Filling measure) The generator for the welding equipment is a Category 2 source and requires an inspection for visual emissions at least semi-annually, or when a complaint is received. If visible emissions last more than three minutes in one hour, the operator shall determine if the equipment is operating normally. If not, the visible emissions should be eliminated within 24 hours. Alternatively, visible emissions should be read by certified smoke reader within three business days of detection of visible emissions.</p> <p>(Periodic Monitoring Gap Filling measure) The reformer and flare are Category 1 sources and require no additional MRR.</p>

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 402 (5/7/76)	Nuisance	All	Applicable Requirement - local only, not federally enforceable. The facility is prohibited from discharging air contaminants or other material which cause injury, detriment, nuisance, or annoyance to the public.	No recordkeeping is required for this rule.
Rule 403 (12/11/98)	Fugitive dust	Facility	Applicable Requirement 403(d) prohibits excessive fugitive dust emissions from a source's property. Though this rule generally applies to all facilities, the Carson Plant is mostly paved and contains no open storage piles which would cause the presence of fugitive dust.	No MRR is required to demonstrate compliance with this rule.
Rule 404 (2/7/86)	Particulate matter - concentration	Reformer, Flare, Portable IC Engines for Welding	Applicable Requirement The facility is prohibited from discharging particulate matter emissions in excess of those specified in Rule 404(a).	(Periodic Monitoring Gap Filling measure) Use of engineering calculation with published emission factor will satisfy the MRR requirement for this rule. Current annual emission fee reporting satisfies this requirement.
Rule 405 (2/7/86)	Particulate matter - weight	Reformer, Flare, Portable IC Engines for Welding	Applicable Requirement The facility is prohibited from discharging particulate matter emissions in excess of those specified in Rule 405(a).	(Periodic Monitoring Gap Filling measure) Use of engineering calculation with published emission factor will satisfy the MRR requirement for this rule. Current annual emission fee reporting satisfies this requirement.

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 407 (4/2/82)	Liquid and gaseous air contaminants	Reformer, Flare, Portable IC Engines for Welding	Applicable Requirement Rule 407 sets emission limits for all sources: (a)(1) 2,000 ppm CO and (a)(2) 500 ppm SO ₂	(Periodic Monitoring Gap Filling measure) No additional MRR is required for the reformer CO emissions because it is subject to Rule 1146. The flare is not technically feasible to sample for CO. No sampling will be conducted for the flare. (Periodic Monitoring Gap Filling measure) No additional MRR is required for sulfur, since the fuels are subject to Rule 431.1
Rule 408 (5/7/76)	Circumvention	All	Applicable Requirement Rule 408 prohibits a source from using any equipment which conceals emissions that would constitute a violation of applicable rules (except Rule 402).	N/A
Rule 409 (8/7/81)	Combustion contaminants	Reformer, Flare	Applicable Requirement Emission limits for particulate matter for all combustion sources is 0.1 grain per cubic foot.	(Periodic Monitoring Gap Filling measure) Use of engineering calculation with published emission factor will satisfy the MRR requirement for this rule. Current annual emission fee reporting satisfies this requirement.
Rule 429 (12/21/90)	Start-up and shut down exemption provisions for oxides of nitrogen	none	The facility is exempt from this rule per Rule 2001 (j)	N/A

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 430 (7/12/96)	Breakdown provisions	All plant equipment	<p>Applicable Requirement</p> <p>Rule 430 provides protection from enforcement of applicable rules (except Regulations I, IX, X, XIV, XVII, XX, XXX, and XXXI, and Rules 218 and 402) during equipment breakdown. Equipment must be shut down by the end of an operating cycle, or within 24 hours of breakdown. Note that this rule does <i>not</i> shield the facility from enforcement of federally applicable requirements or conditions listed on the Title V permit.</p>	<p>430(b)(1) - Notify SCAQMD within one hour of breakdown or knowledge of breakdown. Report time, location, equipment involved, contact person, cause of breakdown (to the extent known), and estimated time for repairs.</p> <p>430(b)(2) - Written report should be submitted within 7 days of correction or 30 days of initial breakdown and should contain the following information:</p> <ul style="list-style-type: none"> A) equipment involved B) duration C) date of correction D) types of emissions E) emissions quantification F) substantiation that breakdown did not result from operator error, neglect or improper operation or maintenance procedures G) substantiation that action was taken immediately to correct the condition and minimize emissions H) corrective and future preventive measures taken I) pictures of equipment, if available

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 431.1 (6/12/98)	Sulfur content of gaseous fuels	Reformer	Applicable Requirement 431.1(c)(1) limits the sulfur content of natural gas to 16 ppmv as H ₂ S. The natural gas provider is required to comply with this requirement. Note: since the feed gas is natural gas and the PSA purge gas derives from processing natural gas and removing the sulfur, only the natural gas requirements are applicable.	For natural gas fired equipment: 431.1(c)(1) - The natural gas provider is required to comply with this rule. No additional MRR is required of the facility.
Rule 431.2 (9/15/00)	Sulfur content of liquid fuels	IC Engines <50 bhp, (Portable IC Engines for welding)	Applicable Requirement 431.2(e)(1) limits sulfur content of diesel fuel to 500 ppm by weight or less 431.2(e)(2) limits sulfur content of diesel fuel to 15 ppm by weight or less on or after 6/1/04	431.2(f)(2) - Keep records for at least five years (Periodic Monitoring Gap Filling measure) Maintain purchase records providing evidence of fuel sulfur content and demonstrating compliance with ARB specifications.
Rule 431.3 (5/7/76)	Sulfur content of fossil fuels	None	This rule does not apply to the facility. This rule applies to the combustion of solid fossil fuel only.	N/A
Rule 442 (12/15/00)	Usage of solvents	None	The facility is not subject to this rule. 442(h)(7) - This rule does not apply to sources subject to Rule 1171 (remote reservoir cold cleaners).	N/A
Rule 462 (5/14/99)	Organic liquid loading	None	This rule does not apply to the facility. The rule applies only to facilities that load organic liquids into any tank truck, trailer, or railroad tank car.	N/A
Rule 463 (3/11/94)	Above ground liquid storage	None	This rule does not apply to the facility. The rule applies only to above ground storage > 19,815 gallons of organic liquid, or 251 gallons of gasoline.	N/A

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 464 (12/7/90)	Wastewater separators	None	This rule does not apply to the facility. 464(b)(1) specifies requirements for a device which recovers oil from effluent water from equipment which processes, refines, stores or handles petroleum or coal tar products. The facility has oil/water separators for stormwater which do not qualify as applicable equipment under this regulation.	N/A
Rule 466 (10/7/83)	Pumps and Compressors	None	The facility is exempt from this rule per Rule 466 (d)(1)(E) & (F) Natural gas will be the only source of gaseous reactive organic compounds at the hydrogen plant. SCAQMD fugitive rules (i.e., 466 & 466.1) exempt equipment that handles commercial natural gas or hydrogen streams greater than 80 percent. Additionally, the definition of reactive organic compound (ROG) excludes methane, carbon monoxide, and carbon dioxide. The PSA purge gas contains these constituents plus hydrogen, and therefore these fugitive emission rules are not applicable.	N/A
Rule 466.1 (3/16/84)	Valves and flanges	None	The facility is exempt from this rule per Rule 466.1 (i)(1)(A) & (C) Natural gas will be the only source of gaseous reactive organic compounds at the hydrogen plant. SCAQMD fugitive rules (i.e., 466 & 466.1) exempt equipment that handles commercial natural gas or hydrogen streams greater than 80 percent. Additionally, the definition of reactive organic compound (ROG) excludes methane, carbon monoxide, and carbon dioxide. The PSA purge gas contains these constituents plus hydrogen, and therefore these fugitive emission rules are not applicable.	N/A
Rule 467 (3/5/82)	Pressure relief devices	None	This rule is not applicable. There are no pressure relief devices in VOC service that relieve to the atmosphere.	N/A
Rule 474 (12/4/81)	Fuel burning equipment - oxides of nitrogen	None	The facility is exempt from this rule per Rule 2001 (j)	N/A

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 475 (8/7/78)	Electric power generating equipment	None	The rule does not apply to the facility. The facility uses a 1 MW steam turbine to generate electricity internally. There are no emissions associated with a steam turbine.	N/A
Rule 476 (10/8/76)	Steam generating equipment	None	The facility is exempt from this rule per Rule 2001 (j)	N/A
Rule 480 (10/7/77)	Natural gas fired control devices	None	The facility is not subject to this rule. 480(a) - The flare burns excess process gases and is not a natural gas fired air pollution control device.	N/A
Rule 53 (no date)	Sulfur compounds - concentration	Reformer, Flare	Applicable Requirement - Local rule only and is not federally enforceable. Limits sulfur dioxide emissions to 0.2 percent by volume.	No recordkeeping is required for this rule.
Regulation V	Procedure before the hearing board	General	Applicable Requirement Regulation V contains procedural rules regarding the SCAQMD Hearing Board and generally apply to all facilities. Filing petitions for variances and appeals is covered in Regulation V. Regulation V also contains Rule 518.2 - Federal Alternative Operating Conditions. Rule 518.2 provides protection from enforcement of federally applicable rules while operating under a variance. Rule 518.2 does not shield the facility from enforcement of federally promulgated rules such as NSPS, NESHAP, Title IV (acid rain), or Title VI (stratospheric ozone).	N/A
Rule 701 (6/13/97)	Air Pollution Emergency Contingency Actions	General	Rule 701 is applicable but does not place any requirements on the facility because annual emissions of oxides of nitrogen, volatile organic compounds, or sulfur oxides do not exceed 100 tons per year. However, 701(e)(1) "encourages all other emitters" of these pollutants to reduce combined emissions of volatile organic compounds, oxides of nitrogen, and sulfur oxides by 20 percent during a Stage 2 or Stage 3 air pollution episode.	N/A

**Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements**

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Regulation VIII	Orders for abatement	General	Regulation VIII outlines the authority of the SCAQMD Hearing Board to issue orders of abatement. The rules contained in Regulation VIII are procedural and generally apply to all facilities.	N/A
Regulation IX	Standards of Performance for New Stationary Sources	see federal regulations	New Source Performance Standards are adopted by reference to 40 CFR Part 60.	see federal regulations
Regulation X	National Emission Standards for Hazardous Air Pollutants	see federal regulations	National Emission Standards for Hazardous Air Pollutants are adopted by reference to 40 CFR Part 61.	see federal regulations
Rule 1109 (8/5/88)	Emissions of oxides of nitrogen from boiler and process heaters in petroleum refineries	None	The rule is not applicable because the facility is not a petroleum refinery. 1173(b)(23) - Petroleum refinery is defined by SIC code 2911.	N/A
Rule 1110.1 (10/4/85)	Emissions from stationary internal combustion engines	None	This rule is not applicable because the generator (IC engine) for the welding unit < 50 bhp.	N/A
Rule 1110.2 (11/14/97)	Emission from gaseous and liquid fueled engines	None	This rule is not applicable because the generator for the welding unit < 50 bhp.	N/A
Rule 1113 (7/20/01)	Architectural coatings	Facility Architectural Coatings	Applicable Requirement Limits VOC content of architectural coatings. See table in 1113(c) for limits.	None
Rule 1118 (2/13/98)	Emissions from refinery flares	Flare	Applicable Requirement - local only, not federally enforceable.	This rule is local only, not federally enforceable.

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 1122 (9/21/01)	Solvent degreasers	None	<p>This rule does not apply to the facility.</p> <p>1122(a) - This rule is applicable to batch loaded cold cleaners, open top vapor degreasers, conveyorized degreasers, and airtight and airless cleaning systems.</p> <p>The solvent cleaning operation at the Carson facility is a remote reservoir cold cleaner and therefore is not subject to this rule.</p> <p>1122(b)(8) - The remote reservoir cold cleaner does not have an air-solvent interface and is therefore not a batch loaded cold cleaner as defined by Rule 1122.</p>	N/A
Rule 1134 (8/8/97)	Emissions of oxides of nitrogen from stationary gas turbines	None	This rule does not apply to the facility since there are no stationary gas turbines at the facility.	N/A
Rule 1135 (7/19/91)	Emissions of oxides of nitrogen from electric power generating systems	None	<p>This rule does not apply to the facility.</p> <p>1135(a) - This rule is applicable only to units selling power to Southern California Edison, Los Angeles Department of Water and Power, or the Cities of Burbank, Glendale, or Pasadena. In addition, this rule is a local rule only and is not federally enforceable.</p>	N/A
Rule 1140 (8/2/85)	Abrasive Blasting	None	This rule is not applicable to the facility since it applies to abrasive blasting operations and there are no abrasive blasting operations at the facility.	N/A
Rule 1146 (11/17/00)	Emissions of oxides of nitrogen from industrial, institutional, and commercial boilers, steam generators, and process heaters	Reformer	<p>The facility is exempt from this rule per Rule 2001 (j) for NOx emissions.</p> <p>1146(c)(5) limits the CO emissions to 400 ppm @ 3% O2 dry, 15 minute average.</p>	Periodic monitoring requirements for CO is satisfied by annual source test required by RECLAIM permit condition 182-1
Rule 1146.1 (5/13/94)	Emissions of oxides of nitrogen from small industrial, institutional, and commercial boilers, steam generators, and process heaters.	None	<p>This rule does not apply to the facility.</p> <p>1146.1(b) - This rule applies only to boilers, steam generators, and process heaters 2-5 mmbtu/hr.</p>	N/A

**Table 3-2
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Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 1171 (6/13/97)	Solvent cleaning operations	Facility (Architectural coatings) Degreaser (remote reservoir cold cleaner)	Facility – Applicable requirement 1171(a) – Applicable to solvent cleaning operations 1171(c)(1)(C) Cleaning of Coatings, or Adhesives Application Equipment (550 g/l [12/1/01] or 25 g/l [7/1/05]) The degreaser is exempt per Rule 1171 (h)(1), since the cleaning solution used has a VOC content as measured by EPA Method 24 of 2.71 g/l.	Facility: See Rule 109 for recordkeeping per 1171(c)(7) Degrease: Records must be maintained to demonstrate that the cleaning solution meets the VOC limits of 1171(c)(1)
Rule 1173 (5/13/94)	Fugitive emission of volatile organic compounds	None	The facility is exempt from this rule per Rule 1173(k)(3)(4).	N/A
Rule 1176 (9/13/96)	VOC emissions from wastewater systems	None	This rule does not apply to the facility 1176(i)(5)(G) exempts equipment that exclusively receives, holds, or discharges rainwater, stormwater runoff, or non-contact water. The oil/water separators discharge stormwater.	N/A
Rule 1178 (12/21/01)	Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities	None	This rule does not apply to the facility 1178 applies to all aboveground storage tanks that have capacity equal to or greater than 75,000 liters (19,815 gallons), are used to store organic liquids with a true vapor pressure greater than 5 mm Hg (0.1 psi) absolute under actual storage conditions, and are located at any petroleum facility that emits more than 40,000 pounds (20 tons) per year of VOC in any emission inventory year starting with the emission inventory year 2000.	N/A

Table 3-2
Summary of Federally Enforceable Requirements and
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Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 1186 (9/10/99)	PM10 emissions from paved and unpaved roads, and livestock operations	None	This rule does not apply to the facility. 1186(d) applies only to public roads and livestock operations. 1186(e) addresses construction of roads with average daily trips of 500 vehicles or more.	N/A
Rule 1189 (1/21/00)	Emission from Hydrogen Plant Process Vents	None	This rule does not apply to the facility The purpose of Rule 1189 is to reduce emissions of volatile organic compounds (VOCs) from hydrogen plant process vents. The rule applies to all hydrogen plants that produce any hydrogen for use in petroleum refining operations. The deaerator is vented to the reformer. Therefore, there are no hydrogen plant process vents.	N/A
Regulation XII	Rules of practice and procedure	General	Regulation XII contains rules regarding the policies, procedures, and authority of the SCAQMD Hearing Board. Regulation XII generally applies to all facilities.	N/A
Regulation XIII	New source review	All Permitted Equipment	Regulation XIII sets forth pre-construction review requirements for new, modified, or relocated sources that emit non attainment contaminants, ammonia, or ozone depleting compounds. Regulation XIII generally applies to all facilities and requires Best Available Control Technology (BACT) and emission offsets for new, modified, or relocated equipment.	N/A
Rule 1401 (6/15/01)	New Source Review of Carcinogenic Air Contaminants	Generally applicable to new, relocated, or modified permit units	Applicable Requirement - local only, not federally enforceable. Prohibits excess cancer risk of new, relocated, or modified permit units to exceed the cancer risk thresholds listed in 1401(d)	This rule is local only, not federally enforceable.

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Rule 1402 (3/17/00)	Control of Toxic Air Contaminants from Existing Sources	None	<p>This rule does not apply to the facility.</p> <p>This rule shall apply to any facility subject to the Hot Spots Act and to any facility for which the impact of total facility emissions exceeds any significant or action risk level as indicated in one of the following:</p> <ol style="list-style-type: none"> (1) A health risk assessment required pursuant to the Hot Spots Act and approved by the District; (2) A health risk assessment prepared by the District for the purpose of this rule for a facility or category of facilities, including but not limited to facilities for which the District has prepared an industrywide emissions inventory pursuant to the Hot Spots Act; or (3) A health risk assessment required pursuant to subdivision (d) of this rule and approved by the District. <p>Except for facilities subject to the rule pursuant to above the risk reduction requirements of this rule shall not apply to facilities which have not been notified by the District to prepare a health risk assessment pursuant to this rule or the Hot Spots Act.</p>	N/A
Rule 1404 (4/6/90)	Hexavalent chromium emissions from cooling towers	Cooling Tower	<p>Applicable Requirement - local only, not federally enforceable.</p> <p>The facility does not use any water treatment chemicals in the cooling tower that contain hexavalent chrome.</p>	This rule is local only, not federally enforceable.
Rule 1415 (10/14/94)	Reduction of refrigerant emissions from stationary refrigeration and air conditioning systems	None	<p>This rule does not apply to the facility.</p> <p>1415(b) - The facility does not operate any equipment that contains greater than 50 pounds of Class I or Class II refrigerant. This is a local rule only and is not federally enforceable.</p>	N/A

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
Regulation XVI	Mobile source offset program	General	Regulation XVI provides the opportunity for facilities to generate emission reduction credits through the repair, scrapping, or replacement of high emitting vehicles or mobile sources used in the SCAQMD. These credits may be used to offset emissions from certain new or modified sources.	N/A
Regulation XVII	Prevention of significant deterioration	All Permitted Equipment	Regulation XVII sets forth preconstruction review requirements for new, modified, or relocated sources in attainment areas. Since Los Angeles County is in attainment with the federal ambient air quality standard for sulfur dioxide, this regulation generally applies to the facility.	N/A
Regulation XX Rule 2001 (5/11/01) Rule 2004 (5/11/01) Rule 2005 (4/20/01) Rule 2006 (5/11/01) Rule 2012 (5/11/01)	Regional Clean Air Incentives Market (RECLAIM)	Reformer, Flare	Regulation XX applies to the facility. The following are the applicable rules: 2001(j) - Oxides of nitrogen emissions portions of the following rules will no longer apply: 429, 430, 474, 1146, and Regulation XIII. 2004(b) requires the facility to certify emissions quarterly. 2004(d)(1) requires the facility to hold emissions allocations for the amount of oxides of nitrogen emitted in any year. 2004(i) specifies breakdown provisions. 2005 specifies new source review procedures for RECLAIM pollutants. 2006 - The facility will be issued a facility permit to operate under RECLAIM. 2007 - sets guidelines for trading RECLAIM Trading Credits for oxides of nitrogen. 2012 - sets requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Nitrogen (NOx) emissions	Major NOx source 2012(c)(2) The Facility Permit holder of a major NOx source shall install, maintain and operate a direct monitoring device for each major NOx source to continuously measure the concentration of NOx emissions and all other applicable variables 2012(c)(3)(A) The Facility Permit holder of a major NOx source shall install, maintain and operate a reporting device to electronically report total daily mass emissions of NOx and daily status codes to the District Central NOx Station for each major NOx source. 2012(c)(3)(B) The facility permit holder shall submit Monthly Emissions Reports aggregating NOx emissions from all major sources within 15 days following the end of each calendar month.

Table 3-2
Summary of Federally Enforceable Requirements and
Clarification of Non-Federally Enforceable Requirements

Rule (Effective Date)	Description	Applicable Unit	Requirement	Monitoring, Recordkeeping, and Reporting (MRR) Requirements
				<p>Flare</p> <p>2012(k) - The provisions of Rule 2012 do not apply to flares.</p> <p>All RECLAIM sources:</p> <p>2004(b)(1) - Submit quarterly certification of facility emissions within 30 days of the end of each of the first three calendar quarters.</p> <p>2004(b)(4) - Submit Annual Permit Emissions Program (APEP) report within 60 days of the end of the compliance year.</p> <p>2012(i) - Maintain records for a minimum of three years after annual report is submitted. Maintain CEMS data from intervals less than 15 minutes for a minimum of 48 hours.</p>
Regulation XXX	Title V	Facility	Submit complete application by May 10, 2002.	N/A

Table 3-3
Enforceability of RECLAIM Facility Permit Conditions

Permit Unit	Permit Condition #	Condition Number and Description	Test Method	Monitoring, Recordkeeping, and Reporting (MRR)	Federally Enforceable Requirement? If yes, source of applicability is shown
Heater, Reformer	P2-1	The operator shall limit emissions from this process as follows: NOX – Less than or equal to 121 lbs. in any one day CO – Less than or equal to 147 lbs. in any one day PM10 – Less than or equal to 92 lbs. in any one day ROG – Less than or equal to 129 lbs. in any one day	SCAQMD Test Methods	As specified in condition 182-1	Reg. XIII – New Source Review (SIP Approved) (NSR)
Heater, Reformer	12-1	The operator shall install and maintain a measuring device to accurately indicate the oxygen concentration in the flue gas at the convective section or exhaust stack of this heater. The excess oxygen such measured shall be at a minimum of 1%, dry basis, except during startup, shutdown, or process upset.	Not specified	Monitor and record oxygen concentration	NSR
Flare	12-2	The operator shall install and maintain a flow meter to accurately indicate the flow rate of the flare gases in order to comply with District Rule 1118.	Rule 1118 Attachment A	Monitor and record flow rate	Not federally enforceable (refer to Table 3-1)
SCR	12-3	The operator shall install and maintain a temperature gauge to accurately indicate the temperature across the SCR bed.	N/A	Monitor and record temperature	NSR
Vessel, Deaerator	57-1	The operator shall vent this equipment to the fire-box of the reformer heater whenever the hydrogen plant is in operation, except during startup, shutdown, or emergency.	N/A	N/A	NSR

Table 3-3
Enforceability of RECLAIM Facility Permit Conditions

Permit Unit	Permit Condition #	Condition Number and Description	Test Method	Monitoring, Recordkeeping, and Reporting (MRR)	Federally Enforceable Requirement? If yes, source of applicability is shown
Heater, Reformer	57-2	The operator shall vent this equipment to an air pollution control equipment consisting of selective catalytic reduction (SCR) system which is in full use whenever this equipment is in operation, except during startup or shutdown period. Startup or shutdown period, excluding the refractory dry-out period, shall not exceed 48 consecutive hours. If the heater exhaust reaches 570 degree F, the flue gas shall be vented through the SCR system using ammonia injection. Refractory dry-out and steam blows shall be permitted up to a total of 144 consecutive hours to allow the curing of refractory materials and blow out of steam lines.	Not specified	Monitor and Record Temperature	NSR
Heater, Reformer	67-1	The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s): During startup, shutdown and dry-out/steam blow periods, the hourly firing rates, flue gas temperature, process feed flow rates, inlet and outlet process fluid temperatures, excess oxygen and NO _x emissions.	Not specified	Keep startup, shutdown, and dryout/steam blow records of the following for 5 years: <ul style="list-style-type: none"> • Hourly firing rates • Flue gas temperature • Process feed flow rates • Inlet and outlet process fluid temperatures • Excess oxygen and NO_x emissions 	NSR
Vessel, Feed Gas Separator	71-1	The operator shall not use this equipment to process any feed gas except commercial pipe-line quality natural gas.	N/A	N/A	NSR

Table 3-3
Enforceability of RECLAIM Facility Permit Conditions

Permit Unit	Permit Condition #	Condition Number and Description	Test Method	Monitoring, Recordkeeping, and Reporting (MRR)	Federally Enforceable Requirement? If yes, source of applicability is shown
Heater, Reformer	182-1	<p>The operator shall test this equipment in accordance with the following specifications:</p> <p>The test shall be conducted at least annually.</p> <p>During the test, the hydrogen plant shall be operated at least 80 percent of the permitted maximum rated capacity or within a capacity range approved by the District.</p> <p>A source test protocol shall be submitted to the District no later than 60 days before the proposed test date. The annual test may commence without prior approval from the District if it is conducted according to a source test protocol previously approved by the District for this equipment. The District shall be notified of the date and time of the test at least 15 days prior to the test. A report shall be submitted to the District no later than 90 days after conducting the test.</p> <p>Testing and sampling facility shall be provided and maintained in accordance with District Source Test Method 1.1 or 1.2 and District Guidelines for Construction of Sampling and Testing Facilities.</p> <p>The test shall determine and report the concentrations and mass emission rates for NOX, CO, PM10, ROG, and the following:</p> <ol style="list-style-type: none"> NOX in lb/MMBTU of heat input, from the inlet and outlet of the SCR unit Excess oxygen in percent dry basis, from SCR unit outlet Ammonia in ppmv, from SCR unit outlet Flue gas flow rate in scf/hr, from SCR unit outlet Heating value (HHV), in BTU/SCF, of fuel gases supplied to the hydrogen reforming heater Control efficiency of the SCR unit 	SCAQMD Test Methods	As specified in Condition 182-1	NSR

Table 3-3
Enforceability of RECLAIM Facility Permit Conditions

Permit Unit	Permit Condition #	Condition Number and Description	Test Method	Monitoring, Recordkeeping, and Reporting (MRR)	Federally Enforceable Requirement? If yes, source of applicability is shown
Heater, Reformer	195-1	The 5 PPM NOX emission limit(s) are averaged over any 3 consecutive hours.	N/A	Monitor and record NOx emissions	NSR
Absorber, PSA	336-1	<p>The operator shall vent the vent gases from this equipment as follows:</p> <p>All PSA purge gases shall be directed to the reformer heater, except during startup, shutdown, or emergency. Atmospheric venting of product hydrogen and carbon monoxide shall be permitted only during periods of emergency, startup, shutdown or unforeseen tumdown of hydrogen demand; provided that such discharges do not endanger the health and safety of any person or the public, or cause damage to business or property.</p>	N/A	N/A	NSR

To provide the compliance status of your facility with applicable federally enforceable requirements and identify other local-only requirements, complete this form and attach it to a completed compliance certification Form 500-A2. As appropriate, all submittals of Form 500-C2 as appropriate should also be attached to this form.

Section I - General Information

1. Facility Name: AIR PROD CARSON HYDROGEN PLANT

Facility ID (6-Digit): 3417

PROCEDURES FOR DETERMINING COMPLIANCE STATUS

- Equipment verification:** Review the list of pending applications, and either the preliminary Title V facility permit or the list of current permits to operate that the AQMD provided you, to determine if they completely and accurately describe all equipment operating at the facility. Attach a statement to describe any discrepancies.
- Identify applicable requirements*:** Use the checklist in Section II to identify all applicable and federally-enforceable local, state, and federal rules and regulations, test methods, and monitoring, recordkeeping and reporting (MRR) requirements that apply to any equipment or process (including equipment exempt from a permit by Rule 219) at your facility. The potential applicable requirements, test methods and MRR requirements are identified and listed adjacent to each given equipment/process description. Check off each box adjacent to the corresponding requirement as it applies to your particular equipment/process.
Note: Even if there is only one piece of equipment that is subject to a particular requirement, the appropriate box should be checked.
- Identify additional applicable requirements*:** Use Section III to identify any additional requirements not found in Section II. Section II is not a complete list of all applicable requirements. It does not include recently adopted NESHAP regulations by EPA or recent amendments to AQMD rules. Do not add rules listed in Section V here.
- Identify any requirements that do not apply to a specific piece of equipment or process:** Also use Section III to identify any requirements that are listed in Section II but that do not apply to a specific piece of equipment or process. Fill out Section III of this form and attach a separate sheet to explain the reason(s) why the identified rules do not apply. Note: Listing any requirement that does not apply to a specific piece of equipment will not provide the facility with a permit shield unless one is specifically requested by completing Form 500-D and is approved by AQMD.
- Identify SIP-approved rules that are not current AQMD rules:** Use Section IV to identify older versions of current AQMD rules that are the EPA-approved versions in the State Implementation Plan (SIP), and that are still applicable requirements as defined by EPA. The facility is not required to certify compliance with the items checked in Section IV.
- Identify Local-Only Enforceable Regulatory Requirements:** Use Section V to identify AQMD rules that are not SIP-approved and are not federally enforceable.
- Determine compliance:** Determine if all equipment and processes are complying with all requirements identified in Sections II and III. If each piece of equipment complies with all applicable requirements, complete and attach Form 500-A2 to certify the compliance status of the facility. If any piece of equipment is not in compliance with any of the applicable requirements, complete and attach Form 500-C2 in addition to Form 500-A2.

* The following AQMD rules and regulations are not required to be included in Section II and do not have to be added to Section III: Regulation I, List and Criteria in Regulation II, Rule 201, Rule 201.1, Rule 202, Rule 203, Rule 205, Rule 206, Rule 207, Rule 208, Rule 209, Rule 210, Rule 212, Rule 214, Rule 215, Rule 216, Rule 217, Rule 219, Rule 220, Rule 221, Regulation III, Regulation V, Regulation VIII, Regulation XII, Regulation XV, Regulation XVI, Regulation XIX, Regulation XXI, Regulation XXII, and Regulation XXX.

Section II. Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> All Air Pollution Control Equipment Using Combustion (RECLAIM & non-RECLAIM sources)	<input type="checkbox"/> Rule 480 (10/07/77)	N/A	N/A
<input type="checkbox"/> All Coating Operations	<input type="checkbox"/> Rule 442 (12/15/00)	<input type="checkbox"/> AQMD TM 25.1	
<input type="checkbox"/> All Combustion Equipment, ≥ 555 Mmbtu/Hr (except for NOx RECLAIM sources)	<input type="checkbox"/> Rule 474 (12/04/81)	<input type="checkbox"/> AQMD TM 7.1 or 100.1	
<input checked="" type="checkbox"/> All Combustion Equipment Except Internal Combustion Engines (RECLAIM & non-RECLAIM sources)	<input checked="" type="checkbox"/> Rule 407 (04/02/82) <input checked="" type="checkbox"/> Rule 409 (08/07/81)	<input checked="" type="checkbox"/> AQMD TM 100.1 or 10.1, 307-91 <input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input checked="" type="checkbox"/> All Combustion Equipment Using Gaseous Fuel (except SOx RECLAIM sources)	<input checked="" type="checkbox"/> Rule 431.1 (06/12/98)	<input type="checkbox"/> Rule 431.1(f)	<input type="checkbox"/> Rule 431.1(d) & (e)
<input checked="" type="checkbox"/> All Combustion Equipment Using Liquid Fuel (except SOx RECLAIM sources)	<input checked="" type="checkbox"/> Rule 431.2 (09/15/00)	<input type="checkbox"/> Rule 431.2(d)	<input type="checkbox"/> Rule 431.2(c)
<input type="checkbox"/> All Combustion Equipment Using Fossil Fuel (except SOx RECLAIM sources)	<input type="checkbox"/> Rule 431.3 (05/07/76)		
<input checked="" type="checkbox"/> All Equipment	<input checked="" type="checkbox"/> Rule 401 (11/09/01) <input checked="" type="checkbox"/> Rule 405 (02/07/86) <input checked="" type="checkbox"/> Rule 408 (05/07/76) <input checked="" type="checkbox"/> Rule 430 (07/12/96) <input checked="" type="checkbox"/> Rule 701 (06/13/97) <input checked="" type="checkbox"/> New Source Review, BACT <input checked="" type="checkbox"/> Rule 1703 (10/07/88) <input checked="" type="checkbox"/> 40 CFR68 - Accidental Release Prevention	<input checked="" type="checkbox"/> California Air Resources Board Visible Emission Evaluation <input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 N/A See Applicable Subpart	<input checked="" type="checkbox"/> Rule 430(b) See Applicable Subpart
<input type="checkbox"/> All Equipment Processing Solid Materials	<input type="checkbox"/> Rule 403 (12/11/98)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f)
<input checked="" type="checkbox"/> All Equipment With Exhaust Stack (except cement kilns subject to Rule 1112.1)	<input checked="" type="checkbox"/> Rule 404 (02/07/86)	<input checked="" type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3	
<input checked="" type="checkbox"/> All Facilities Using Solvents to Clean Various Items or Equipment	<input checked="" type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART T	<input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input checked="" type="checkbox"/> All RECLAIM Equipment (NOx & SOx)	<input checked="" type="checkbox"/> Reg. XX - RECLAIM	<input type="checkbox"/> Rule 2011, App. A (05/11/01) <input checked="" type="checkbox"/> Rule 2012, App. A (05/11/01)	<input type="checkbox"/> Rule 2011, App. A (05/11/01) <input checked="" type="checkbox"/> Rule 2012, App. A (05/11/01)
<input checked="" type="checkbox"/> Abrasive Blasting	<input checked="" type="checkbox"/> Rule 1140 (08/02/85)	<input checked="" type="checkbox"/> Rule 1140(d), AQMD Visible Emission Method	
<input type="checkbox"/> Appliances Containing Ozone Depleting Substances (except Motor Vehicle Air Conditioners): Manufacturing, Repair, Maintenance, Service, & Disposal	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Asphalt	See Manufacturing, Asphalt Processing & Asphalt Roofing		
<input type="checkbox"/> Asphalt Concrete/Batch Plants	<input type="checkbox"/> 40 CFR60 SUBPART I	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Benzene Emissions, Maleic Anhydride Plants, Ethylbenzene/Styrene Plants, Benzene Storage	<input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> Rule 1176 (09/13/96)	<input type="checkbox"/> Rule 1173(h) <input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1173(g) <input type="checkbox"/> Rule 1176(f) & (g)

KEY ABBREVIATIONS:

 Reg. = AQMD Regulation
 Rule = AQMD Rule

 App. = Appendix
 AQMD TM = AQMD Test Method

 CFR = Code of Federal Regulations
 CCR = California Code of Regulations

AQMD Form 500-C1

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Section II Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
Vessels, Benzene Equipment Leaks, & Coke By-Product Recovery Plants	<input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART Y <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Benzene Transfer Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR61 SUBPART BB <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(e) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Benzene Waste Operations	<input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR61 SUBPART FF <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions	<input type="checkbox"/> 40 CFR61 SUBPART C	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Beryllium Emissions, Rocket Motor Firing	<input type="checkbox"/> 40 CFR61 SUBPART D	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94) <input type="checkbox"/> Rule 1146.2 (01/09/98)	<input type="checkbox"/> Rule 1146.1(d)	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3)
<input type="checkbox"/> Boiler, < 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 1146.1 (05/13/94) - excluding NOx requirements	<input type="checkbox"/> Rule 1146.1(d)	<input type="checkbox"/> Rule 1146.1(c)(2) & (c)(3)
<input type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 218(e) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1146(c)(2) & (c)(3) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input checked="" type="checkbox"/> Boiler, ≥ 5 Mmbtu/Hr (RECLAIM sources)	<input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 476 (10/08/76) - excluding NOx requirements <input checked="" type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements <input checked="" type="checkbox"/> Rule 2011 (05/11/01) or Rule 2012 (05/11/01) <input type="checkbox"/> 40 CFR60 SUBPART D <input type="checkbox"/> 40 CFR60 SUBPART Da <input type="checkbox"/> 40 CFR60 SUBPART Dc	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 7.1, 100.1, 5.1, 5.2, or 5.3 <input checked="" type="checkbox"/> Rule 1146(d) <input checked="" type="checkbox"/> Rule 2011, App. A (05/11/01) or Rule 2012, App. A (05/11/01) See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1146(c)(2) & (c)(3) <input checked="" type="checkbox"/> Rule 2011, App. A (05/11/01) or Rule 2012, App. A (05/11/01) See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Boiler, Petroleum Refining (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 431.1 (06/12/98) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART J	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 431.1(f) <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> Rule 1146(d) See Applicable Subpart	<input type="checkbox"/> Rule 218(e) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 431.1(d) & (e) <input type="checkbox"/> Rule 1146(c)(2) & (c)(3) See Applicable Subpart
<input type="checkbox"/> Boiler, Petroleum Refining (RECLAIM sources)	<input type="checkbox"/> Rule 1146 (11/17/00) - excluding NOx requirements	<input type="checkbox"/> Rule 1146(d)	<input type="checkbox"/> Rule 1146(c)(2) & (c)(3)

Section II Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> Rule 2011 (05/11/01) or Rule 2012 (05/11/01) <input type="checkbox"/> 40 CFR60 SUBPART J	<input type="checkbox"/> Rule 2011, App. A (05/11/01) or Rule 2012, App. A (05/11/01) See Applicable Subpart	<input type="checkbox"/> Rule 2011, App. A (05/11/01) or Rule 2012, App. A (05/11/01) See Applicable Subpart
<input type="checkbox"/> Boilers, Electric Utility (non-RECLAIM sources)	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 1135 (07/19/91) <input type="checkbox"/> 40 CFR60 SUBPART Db	<input type="checkbox"/> AQMD TM 100.1 N/A <input type="checkbox"/> Rule 1135(e) See Applicable Subpart	<input type="checkbox"/> Rule 218(e) <input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 1135(e) See Applicable Subpart
<input type="checkbox"/> Boilers, Electric Utility (RECLAIM sources)	<input type="checkbox"/> Rule 2012 (05/11/01) <input type="checkbox"/> 40 CFR60 SUBPART Db	<input type="checkbox"/> Rule 2012, App. A (05/11/01) See Applicable Subpart	<input type="checkbox"/> Rule 2012, App. A (05/11/01) See Applicable Subpart
<input type="checkbox"/> Bulk Loading Of Organic Liquids	<input type="checkbox"/> Rule 462 (05/14/99) <input type="checkbox"/> 40 CFR60 SUBPART XX <input type="checkbox"/> 40 CFR63 SUBPART R	<input type="checkbox"/> Rule 462(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 462(g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Calciner, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Calciner, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81) <input type="checkbox"/> Rule 1119 (03/02/79) <input type="checkbox"/> 40 CFR63 SUBPART L	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 6.1 or 100.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Charbroilers	<input type="checkbox"/> Rule 1174 (10/05/90) <input type="checkbox"/> Rule 1138 (11/14/97)	<input type="checkbox"/> AQMD Test Protocol <input type="checkbox"/> Rule 1138(g)	<input type="checkbox"/> Rule 1138(d)
<input type="checkbox"/> Chrome Plating & Chromic Acid Anodizing Operation	<input type="checkbox"/> Rule 1469 (10/09/98)	<input type="checkbox"/> Rule 1469(d)	<input type="checkbox"/> Rule 1469(e), (h) & (i)
<input type="checkbox"/> Coating Operation, Adhesive Application Operation	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1168 (08/15/00) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR60 SUBPART RR	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1168(f), & (g) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1168(e) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Aerospace Assembly & Component Manufacturing	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1124 (09/21/01) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART GG	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1124(e) & (f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1124(j) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Graphic Arts (Gravure, Letter Press, Flexographic & Lithographic Printing Process, Etc.)	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130 (10/08/99) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR60 SUBPART QQ <input type="checkbox"/> 40 CFR60 SUBPART RR <input type="checkbox"/> 40 CFR60 SUBPART FFF <input type="checkbox"/> 40 CFR60 SUBPART VVV	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1130(h) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1130(e) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart

Section II: Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Coating Operation, Magnet Wire Coating Operations	<input type="checkbox"/> 40 CFR63 SUBPART KK <input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1126 (01/13/95) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99)	See Applicable Subpart <input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1126(d) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	See Applicable Subpart <input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1126(c)(4) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7)
<input type="checkbox"/> Coating Operation, Marine Coating (Except for recreational equipment)	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106 (01/13/95) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1106(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1106(c)(5) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Coating	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1107 (11/09/01) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART EE <input type="checkbox"/> 40 CFR60 SUBPART SS	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1107(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1107(k) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Metal Containers, Closure, & Coil Coating Operations	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1125 (01/13/95) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR60 SUBPART TT <input type="checkbox"/> 40 CFR60 SUBPART WW	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1125(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1125(c)(6) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Coating Operation, Motor Vehicle & Mobile Equipment Non-Assembly Line Coating Operation	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1151 (12/11/98) <input type="checkbox"/> Rule 1171 (10/08/99)	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1151(g) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1151(f) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7)
<input type="checkbox"/> Coating Operation, Motor Vehicle Assembly Line	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1115 (05/12/95) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR60 SUBPART MM	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1115(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1115(g) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Paper, Fabric, & Film Coating Operations	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1128 (03/08/96) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99)	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1128(f) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1128(e) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7)

Section II - Applicable Requirements, Test Methods, & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Coating Operation, Plastic, Rubber, & Glass	<input type="checkbox"/> 40 CFR60 SUBPART VVV <input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1145 (02/14/97) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR60 SUBPART TTT	See Applicable Subpart <input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1145(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	See Applicable Subpart <input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1145(d) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Pleasure Craft	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1106.1 (02/12/99) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1106.1(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1106.1(d) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Screen Printing	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1130.1 (12/13/96) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART KK	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1130.1(g) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1130.1(c)(5) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input checked="" type="checkbox"/> Coating Operation, Use Of Architectural Coating (Stationary Structures)	<input type="checkbox"/> Rule 481 (01/11/02) <input checked="" type="checkbox"/> Rule 1113 (07/20/01) <input type="checkbox"/> Rule 1132 (01/19/01) <input checked="" type="checkbox"/> Rule 1171 (10/08/99)	Manufacturer's Specifications <input checked="" type="checkbox"/> Rule 1113(e) <input type="checkbox"/> Rule 1132(f) <input checked="" type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1132(g) <input checked="" type="checkbox"/> Rule 1171(c)(7)
<input type="checkbox"/> Coating Operation, Wood Flat Stock	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1104 (08/13/99) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART II	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1104(e) <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1104(d) & Rule 109 <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coating Operation, Wood Products (Commercial Furniture, Cabinets, Shutters, Frames, Toys)	<input type="checkbox"/> Rule 109 (08/18/00) <input type="checkbox"/> Rule 481 (01/11/02) <input type="checkbox"/> Rule 1132 (01/19/01) <input type="checkbox"/> Rule 1136 (06/14/96) <input type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART JJ	<input type="checkbox"/> Rule 109(c)(2), (c)(3), & (c)(4) Manufacturer's Specifications <input type="checkbox"/> Rule 1132(f) <input type="checkbox"/> Rule 1136(f) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 109(c)(1) <input type="checkbox"/> Rule 1132(g) <input type="checkbox"/> Rule 1136(d) & (g) & Rule 109 <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Coater	See Coating Operations		
<input type="checkbox"/> Columns	See Petroleum Refineries, Fugitive Emissions		
<input checked="" type="checkbox"/> Compressors	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Concrete Batch Plants	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Consumer Product Manufacturing	See Manufacturing, Consumer Product		
<input checked="" type="checkbox"/> Cooling Tower, Hexavalent Chromium	<input type="checkbox"/> 40 CFR63 SUBPART Q	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Crude Oil Production	See Oil Well Operations		

**KEY
ABBREVIATIONS:**

 Reg. = AQMD Regulation
 Rule = AQMD Rule

 App. = Appendix
 AQMD TM = AQMD Test Method

 CFR = Code of Federal Regulations
 CCR = California Code of Regulations

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Section II Applicable Requirements, Test Methods, & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Crusher	See Nonmetallic Mineral Processing Plants		
<input checked="" type="checkbox"/> Degreasers	<input type="checkbox"/> Rule 1122 (09/21/01) <input checked="" type="checkbox"/> Rule 1171 (10/08/99) <input type="checkbox"/> 40 CFR63 SUBPART T	<input type="checkbox"/> Rule 1122(i) <input type="checkbox"/> Rule 1171(f) See Applicable Subpart	<input type="checkbox"/> Rule 1122(j) & Rule 109 <input type="checkbox"/> Rule 1171(c)(7) See Applicable Subpart
<input type="checkbox"/> Dry Cleaning, Perchloroethylene	<input type="checkbox"/> Rule 1421 (06/13/97)	<input type="checkbox"/> Rule 1421(e), (g), (h), & (i)	<input type="checkbox"/> Rule 1421(j)
<input type="checkbox"/> Dry Cleaning, Petroleum Solvent	<input type="checkbox"/> Rule 1102 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART JJJ	<input type="checkbox"/> Rule 1102(g) See Applicable Subpart	<input type="checkbox"/> Rule 1102(f) & Rule 109 See Applicable Subpart
<input type="checkbox"/> Dryers, Mineral Industries	<input type="checkbox"/> 40 CFR60 SUBPART UUU	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Ethylene Oxide Sterilizer	See Sterilizer, Ethylene Oxide		
<input checked="" type="checkbox"/> Flanges	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Fluid Catalytic Cracking Unit	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1105 (09/01/84)	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> Rule 1105(c)(1)	<input type="checkbox"/> Rule 218(e) <input type="checkbox"/> Rule 1105(c)(2)
<input type="checkbox"/> Fugitive Emissions, Benzene	<input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> 40 CFR61 SUBPART L <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1173(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1173(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input checked="" type="checkbox"/> Fugitive Emissions, Chemical Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> 40 CFR60 SUBPART VV <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Natural Gas Processing Plant	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> 40 CFR60 SUBPART KKK <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Oil & Gas Production	<input type="checkbox"/> Rule 466 (10/07/83)	<input type="checkbox"/> Rule 466(f)	<input type="checkbox"/> Rule 466(e)

Section II - Applicable Requirements, Test Methods & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
Facility	<input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Fugitive Emissions, Pipeline Transfer Station	<input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) <input type="checkbox"/> Rule 1173(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) <input type="checkbox"/> Rule 1173(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Furnace, Basic Oxygen Process	<input type="checkbox"/> 40 CFR60 SUBPART Na	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Electric Arc, For Steel Plants Constructed After August 17, 1983	<input type="checkbox"/> 40 CFR60 SUBPART AAa	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Electric Arc, For Steel Plants: Constructed After Oct. 21, 1974, & On Or Before Aug. 17, 1983	<input type="checkbox"/> 40 CFR60 SUBPART AA	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Furnace, Glass Melting	<input type="checkbox"/> Rule 1117 (01/06/84)	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1	
<input type="checkbox"/> Furnace, Lead Melting, Automotive Batteries	<input type="checkbox"/> Rule 1101 (10/07/77) <input type="checkbox"/> 40 CFR63 SUBPART X	<input type="checkbox"/> AQMD TM 6.1 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Gasoline Transfer & Dispensing Operation	<input type="checkbox"/> Rule 461 (06/15/01)	<input type="checkbox"/> Rule 461(d)	<input type="checkbox"/> Rule 461(c)(7)
<input type="checkbox"/> Glass Manufacturing	See Manufacturing, Glass		
<input type="checkbox"/> Grain Elevators	<input type="checkbox"/> 40 CFR60 SUBPART DD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Halon-containing Equipment, Use for Technician Training, Testing, Maintenance, Service, Repair, or Disposal	<input type="checkbox"/> 40 CFR82 SUBPART H	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Heater, Asphalt Pavement	<input type="checkbox"/> Rule 1120 (08/04/78)	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 6.2	<input type="checkbox"/> Rule 1120(f)
<input type="checkbox"/> Heaters, Petroleum Refinery Process	<input type="checkbox"/> Rule 429 (12/21/90) <input type="checkbox"/> Rule 431.1 (06/12/98) <input type="checkbox"/> Rule 1146 (11/17/00) <input type="checkbox"/> 40 CFR60 SUBPART J	N/A <input type="checkbox"/> Rule 431.1(f) <input type="checkbox"/> Rule 1146(d) See Applicable Subpart	<input type="checkbox"/> Rule 429(d) <input type="checkbox"/> Rule 431.1(d) & (e) <input type="checkbox"/> Rule 1146(c)(2) & (c)(3) See Applicable Subpart

Section II Applicable Requirements, Test Methods & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input checked="" type="checkbox"/> Heaters, Process	See Boilers		
<input type="checkbox"/> Incinerators	<input type="checkbox"/> 40 CFR60 SUBPART E	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Inorganic Arsenic Emissions, Arsenic Trioxide & Metallic Arsenic Production Facilities	<input type="checkbox"/> 40 CFR61 SUBPART P	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Kiln, Cement Plant	<input type="checkbox"/> Rule 1112.1 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART F	N/A See Applicable Subpart	N/A See Applicable Subpart
<input type="checkbox"/> Landfills	<input type="checkbox"/> Rule 1150 (10/15/82) <input type="checkbox"/> Rule 1150.1 (03/17/00) <input type="checkbox"/> 40 CFR60 SUBPART WWW	<input type="checkbox"/> Rule 1150.1(j) See Applicable Subpart	<input type="checkbox"/> Rule 1150.1(e) & (f) See Applicable Subpart
<input type="checkbox"/> Lead Acid Battery Manufacturing Plants	See Manufacturing, Lead Acid Battery		
<input type="checkbox"/> Manufacturing, Asphalt Processing & Asphalt Roofing	<input type="checkbox"/> Rule 1108 (02/01/85) <input type="checkbox"/> Rule 1108.1 (11/04/83) <input type="checkbox"/> Rule 470 (05/07/76) <input type="checkbox"/> 40 CFR60 SUBPART UU	<input type="checkbox"/> Rule 1108(b) <input type="checkbox"/> Rule 1108.1 (b) N/A See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Coatings & Ink Manufacturing (SIC Code 2851)	<input type="checkbox"/> Rule 1141.1 (11/17/00)	N/A	<input type="checkbox"/> Rule 1141.1(c)
<input type="checkbox"/> Manufacturing, Consumer Product	<input type="checkbox"/> Title 17 CCR 94500		
<input type="checkbox"/> Manufacturing, Food Product	<input type="checkbox"/> Rule 1131 (09/15/00)	<input type="checkbox"/> Rule 1131(e)	<input type="checkbox"/> Rule 1131(d)
<input type="checkbox"/> Manufacturing, Glass	<input type="checkbox"/> Rule 1117 (01/06/84) <input type="checkbox"/> 40 CFR60 SUBPART CC <input type="checkbox"/> 40 CFR61 SUBPART N	<input type="checkbox"/> Rule 1117(c), AQMD TM 7.1 or 100.1 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Lead-Acid Battery	<input type="checkbox"/> 40 CFR60 SUBPART KK	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Magnetic Tape Industry	<input type="checkbox"/> 40 CFR60 SUBPART SSS <input type="checkbox"/> 40 CFR63 SUBPART EE	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Nitric Acid	<input type="checkbox"/> Rule 218 (05/14/99) <input type="checkbox"/> Rule 1159 (12/06/85) <input type="checkbox"/> 40 CFR60 SUBPART G	<input type="checkbox"/> AQMD TM 100.1 <input type="checkbox"/> AQMD TM 7.1 or 100.1 See Applicable Subpart	<input type="checkbox"/> Rule 218(e) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Polymer Industry	<input type="checkbox"/> 40 CFR60 SUBPART DDD <input type="checkbox"/> 40 CFR63 SUBPART W	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Polymeric Cellular Foam	<input type="checkbox"/> Rule 1175 (05/13/94)	<input type="checkbox"/> Rule 1175(f)	<input type="checkbox"/> Rule 1175(e)
<input type="checkbox"/> Manufacturing, Products Containing Halon Blends	<input type="checkbox"/> 40 CFR82 SUBPART H	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Products Containing Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART A <input type="checkbox"/> 40 CFR82 SUBPART E	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Resin	<input type="checkbox"/> Rule 1141 (11/17/00) <input type="checkbox"/> 40 CFR63 SUBPART W	<input type="checkbox"/> Rule 1141(d) See Applicable Subpart	<input type="checkbox"/> Rule 1141(c) See Applicable Subpart
<input type="checkbox"/> Manufacturing, Semiconductors	<input type="checkbox"/> Rule 1164 (01/13/95) <input type="checkbox"/> Rule 1171 (10/08/99)	<input type="checkbox"/> Rule 1164(e) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1164(c)(5) <input type="checkbox"/> Rule 1171(c)(7)
<input type="checkbox"/> Manufacturing, Solvent	<input type="checkbox"/> Rule 443 (05/07/76)		
<input type="checkbox"/> Manufacturing, Sulfuric Acid	<input type="checkbox"/> Rule 469 (02/12/81) <input type="checkbox"/> 40 CFR60 SUBPART H <input type="checkbox"/> 40 CFR60 SUBPART Cb	<input type="checkbox"/> AQMD TM 6.1 or 6.2 See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart

KEY

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Section II Applicable Requirements, Test Methods & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Manufacturing, Surfactant	<input type="checkbox"/> Rule 1141.2 (01/11/02)	<input type="checkbox"/> AQMD TM 25.1	
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes	<input type="checkbox"/> 40 CFR60 SUBPART III <input type="checkbox"/> 40 CFR60 SUBPART NNN	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Manufacturing, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Reactor Processes	<input type="checkbox"/> 40 CFR60 SUBPART RRR	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Vinyl Chloride	<input type="checkbox"/> 40 CFR61 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Manufacturing, Wool Fiberglass Insulation	<input type="checkbox"/> 40 CFR60 SUBPART PPP	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Marine Tank Vessel Operations	<input type="checkbox"/> Rule 1142 (07/19/91) <input type="checkbox"/> 40 CFR63 SUBPART Y	<input type="checkbox"/> Rule 1142(e) See Applicable Subpart	<input type="checkbox"/> Rule 1142(h) See Applicable Subpart
<input type="checkbox"/> Mercury Emissions	<input type="checkbox"/> 40 CFR61 SUBPART E	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Motor Vehicle Air Conditioners with Ozone Depleting Substances (ODS): Repair, Service, Manufacturing, Maintenance, or Disposal	<input type="checkbox"/> 40 CFR82 SUBPART B <input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Municipal Waste Combustors	<input type="checkbox"/> 40 CFR60 SUBPART Cb <input type="checkbox"/> 40 CFR60 SUBPART Ea <input type="checkbox"/> 40 CFR60 SUBPART Eb	See Applicable Subpart See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Negative Air Machines/HEPA, Asbestos	<input type="checkbox"/> 40 CFR61 SUBPART M	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Nonmetallic Mineral Processing Plants	<input type="checkbox"/> Rule 404 (02/07/86) <input type="checkbox"/> Rule 405 (02/07/86) <input type="checkbox"/> 40 CFR60 SUBPART OOO	<input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Off-site Waste and Recovery Operation	<input type="checkbox"/> 40 CFR63 SUBPART DD	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Oil Well Operation	<input type="checkbox"/> Rule 1148 (11/05/82)	<input type="checkbox"/> AQMD TM 25.1	
<input type="checkbox"/> Onshore Natural Gas Processing, SO ₂ Emissions	<input type="checkbox"/> 40 CFR60 SUBPART LLL	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Open Fires	<input type="checkbox"/> Rule 444 (12/21/01)		
<input type="checkbox"/> Open Storage, Petroleum Coke	<input type="checkbox"/> Rule 403 (12/11/98) <input type="checkbox"/> Rule 403.1 (06/16/00) <input type="checkbox"/> Rule 1158 (06/11/99)	<input type="checkbox"/> Rule 403(d)(4) <input type="checkbox"/> Rule 1158(h)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f) <input type="checkbox"/> Rule 1158(j)
<input type="checkbox"/> Open Storage	<input type="checkbox"/> Rule 403 (12/11/98) <input type="checkbox"/> Rule 403.1 (06/16/00)	<input type="checkbox"/> Rule 403(d)(4)	<input type="checkbox"/> Rule 403(f) <input type="checkbox"/> Rule 403.1(f)
<input type="checkbox"/> Outer Continental Shelf Platform	<input type="checkbox"/> Rule 1183 (03/12/93) <input type="checkbox"/> 40 CFR55	<input type="checkbox"/> 40 CFR55 See Applicable Subpart	<input type="checkbox"/> 40 CFR55 See Applicable Subpart
<input type="checkbox"/> Oven, Commercial Bakery	<input type="checkbox"/> Rule 1153 (01/13/95)	<input type="checkbox"/> Rule 1153(h)	<input type="checkbox"/> Rule 1153(g)
<input type="checkbox"/> Oven, Petroleum Coke	<input type="checkbox"/> Rule 477 (04/03/81) <input type="checkbox"/> 40 CFR63 SUBPART L	<input type="checkbox"/> AQMD Visible Emissions, AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Ozone Depleting Substances (ODS) or Alternative ODS, Use	<input type="checkbox"/> 40 CFR82 Subpart G	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries	<input type="checkbox"/> Rule 218 (05/14/99)	<input type="checkbox"/> AQMD TM 100.1	<input type="checkbox"/> Rule 218(e)

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	Rule = AQMD Rule	AQMD TM = AQMD Test Method	CCR = California Code of Regulations		

Section II - Applicable Requirements, Test Methods & MRR Requirements

EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
	<input type="checkbox"/> Rule 465 (08/13/99) <input type="checkbox"/> Rule 468 (10/08/76) <input type="checkbox"/> Rule 469 (02/13/81) <input type="checkbox"/> Rule 1123 (12/07/90) <input type="checkbox"/> 40 CFR60 SUBPART J <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART CC <input type="checkbox"/> Title 13 CCR 2250	<input type="checkbox"/> AQMD TM 6.1 or 6.2 <input type="checkbox"/> AQMD TM 6.1 or 6.2 N/A See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1123(c) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Fugitive Emissions	<input type="checkbox"/> Rule 1173 (05/13/94) <input type="checkbox"/> Rule 466 (10/07/83) <input type="checkbox"/> Rule 466.1 (03/16/84) <input type="checkbox"/> Rule 467 (03/05/82) <input type="checkbox"/> 40 CFR60 SUBPART GGG <input type="checkbox"/> 40 CFR61 SUBPART V <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1173(h) <input type="checkbox"/> Rule 466(f) <input type="checkbox"/> Rule 466.1(g) <input type="checkbox"/> Rule 467(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1173(g) <input type="checkbox"/> Rule 466(e) <input type="checkbox"/> Rule 466.1(h) <input type="checkbox"/> Rule 467(e) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Storage Tanks	<input type="checkbox"/> Rule 463 (03/11/94) <input type="checkbox"/> Rule 1178 (02/12/02) <input type="checkbox"/> 40 CFR60 SUBPART K <input type="checkbox"/> 40 CFR60 SUBPART Ka <input type="checkbox"/> 40 CFR60 SUBPART Kb <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 463(g) N/A See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 463(e)(5) <input type="checkbox"/> Rule 1178(f) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Petroleum Refineries, Wastewater Systems	<input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> 40 CFR60 SUBPART QQQ <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 1176(h) N/A See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Pharmaceuticals & Cosmetics Manufacturing	<input type="checkbox"/> Rule 1103 (03/12/99)	<input type="checkbox"/> Rule 1103(f)	<input type="checkbox"/> Rule 1103(e)
<input type="checkbox"/> Polyester Resin Operation	<input type="checkbox"/> Rule 1162 (11/09/01) <input type="checkbox"/> Rule 1171 (10/08/99)	<input type="checkbox"/> Rule 1162(f) & (g) <input type="checkbox"/> Rule 1171(f)	<input type="checkbox"/> Rule 1162(e) <input type="checkbox"/> Rule 1171(c)(7)
<input type="checkbox"/> Printing Press	See Coating Operations		
<input checked="" type="checkbox"/> Pumps	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		

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Section II - Applicable Requirements, Test Methods & MRR Requirements			
EQUIPMENT/PROCESS	APPLICABLE REQUIREMENT	TEST METHOD	MRR REQUIREMENT
<input type="checkbox"/> Recycling & Recovery Equipment for Ozone Depleting Substances (ODS),	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Refrigerant Reclaimers for Ozone Depleting Substances (ODS)	<input type="checkbox"/> 40 CFR82 SUBPART F	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Rendering Plant	<input type="checkbox"/> Rule 472 (05/07/76)	N/A	<input type="checkbox"/> Rule 472(b)
<input type="checkbox"/> Rock Crushing	See Nonmetallic Mineral Processing Plants		
<input type="checkbox"/> Sewage Treatment Plants	See Public Owned Treatment Works Operation		
<input type="checkbox"/> Smelting, Secondary Lead	<input type="checkbox"/> 40 CFR60 SUBPART L <input type="checkbox"/> 40 CFR63 SUBPART X	See Applicable Subpart See Applicable Subpart	See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Soil Decontamination	<input type="checkbox"/> Rule 1166 (05/11/01)	<input type="checkbox"/> Rule 1166(b)(4)	<input type="checkbox"/> Rule 1166(c)(1)(C)
<input type="checkbox"/> Spray Booth	See Coating Operations		
<input type="checkbox"/> Sterilizer, Ethylene Oxide	<input type="checkbox"/> 40 CFR63 SUBPART O	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Degassing Operation	<input type="checkbox"/> Rule 1149 (07/14/95) <input type="checkbox"/> 40 CFR63 SUBPART CC	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Storage Tank, Greater Than 19,815 Gallon Capacity	<input type="checkbox"/> Rule 463 (03/11/94) <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR60 SUBPART K <input type="checkbox"/> 40 CFR60 SUBPART Ka <input type="checkbox"/> 40 CFR60 SUBPART Kb <input type="checkbox"/> 40 CFR63 SUBPART R <input type="checkbox"/> 40 CFR63 SUBPART CC	<input type="checkbox"/> Rule 463(g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 463(e)(5) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Synthetic Fiber Production Facilities	<input type="checkbox"/> 40 CFR60 SUBPART HHH	See Applicable Subpart	See Applicable Subpart
<input type="checkbox"/> Turbine, Stationary Gas Turbines	<input type="checkbox"/> Rule 1134 (08/08/97) <input type="checkbox"/> Rule 475 (08/07/78) <input type="checkbox"/> 40 CFR60 SUBPART GG	<input type="checkbox"/> CEMS Rule 1134(e) & (g) <input type="checkbox"/> AQMD TM 5.1, 5.2, or 5.3 See Applicable Subpart	<input type="checkbox"/> Rule 1134(d) & (f) See Applicable Subpart
<input checked="" type="checkbox"/> Valves	See Fugitive Emissions or Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Vessel, Refinery Process	<input type="checkbox"/> Rule 1123 (12/07/90)	N/A	<input type="checkbox"/> Rule 1123(c)
<input type="checkbox"/> Vessels	See Petroleum Refineries, Fugitive Emissions		
<input type="checkbox"/> Wastewater, Chemical Plant	<input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> Rule 1176 (09/13/96) <input type="checkbox"/> 40 CFR63 SUBPART F <input type="checkbox"/> 40 CFR63 SUBPART G <input type="checkbox"/> 40 CFR63 SUBPART H <input type="checkbox"/> 40 CFR63 SUBPART I <input type="checkbox"/> 40 CFR63 SUBPART CC	N/A <input type="checkbox"/> Rule 1176(h) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart	<input type="checkbox"/> Rule 1176(f) & (g) See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart See Applicable Subpart
<input type="checkbox"/> Wastewater Treatment, Other	<input type="checkbox"/> Rule 464 (12/07/90) <input type="checkbox"/> Rule 1176 (09/13/96)	N/A <input type="checkbox"/> Rule 1176(h)	<input type="checkbox"/> Rule 1176(f) & (g)
<input type="checkbox"/> Woodworking Operations	<input type="checkbox"/> Rule 1178 (03/16/01)	N/A	<input type="checkbox"/> Rule 1137(e)

Complete this section only if there is a specific requirement (i.e., rule reference, test method, or MRR requirement) that is:

Complete this section only if there is a specific requirement (i.e., rule reference, test method, or MRR requirement) that is:

1. Listed for a specific type of equipment or process in Section II of this form & **DOES NOT** pertain to a specific device at your facility*; OR,
2. Is **NOT** Listed for a specific type of equipment or process in Section II of this form but it **IS** applicable to a specific device at your facility.

NOTES:

1. For any specific requirement, test method, or MRR requirement that is identified as “Remove,” attach additional sheets to explain the reasons why the specific requirement does not pertain to the device listed.
2. All boxes that are checked in Section II and any additional requirements identified in this section as “Add” will be used to determine the facility’s compliance status. This information will be used to verify the certification statements made on Form 500-A2.
3. Do not use this section to identify equipment that is exempt from specific rule requirements. Your equipment is automatically considered to be in compliance with the rule that specifically exempts the equipment from those requirements.
4. Listing any requirement that does not apply to a specific piece of equipment in this section will not provide the facility with a permit shield unless one is specifically requested by completing Form 500-D and approved by the AOMD.

* If this section is completed as part of the initial Title V application & there is no device number assigned, refer to the existing permit or application number in this column.

[illegible]

Section IV – SIP-Approved Rules That Are Not The Most Current AQMD Rules

Check off each SIP-Approved Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
218	08/07/81	<input type="checkbox"/>	1141.2	11/17/00	<input type="checkbox"/>
403.1	01/15/93	<input checked="" type="checkbox"/>	1146	05/13/94	<input checked="" type="checkbox"/>
431.2	05/04/90	<input checked="" type="checkbox"/>	1150.1	04/05/85	<input type="checkbox"/>
442	03/05/82	<input type="checkbox"/>	1158	12/02/83	<input type="checkbox"/>
461	04/21/00	<input type="checkbox"/>	1168	02/13/98	<input type="checkbox"/>
466.1	05/02/80	<input type="checkbox"/>	1171	06/13/97	<input checked="" type="checkbox"/>
469	05/07/76	<input type="checkbox"/>	1176	05/13/94	<input type="checkbox"/>
475	10/08/76	<input type="checkbox"/>	2011	12/08/95	<input type="checkbox"/>
481	11/17/00	<input type="checkbox"/>	2012	12/08/95	<input checked="" type="checkbox"/>
1102	12/07/90	<input type="checkbox"/>			<input type="checkbox"/>
1102.1	12/07/90	<input type="checkbox"/>			<input type="checkbox"/>
1107	11/17/00	<input type="checkbox"/>			<input type="checkbox"/>
1140	02/01/80	<input checked="" type="checkbox"/>			<input type="checkbox"/>
1141	04/03/92	<input type="checkbox"/>			<input type="checkbox"/>

Section V – AQMD Rules That Are Not SIP-Approved

Check off each AQMD Rule as it applies to the facility. Use the blanks at the end of this form to fill-in new items.

Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies	Non SIP-Approved Rule	Adoption/ Amendment Date	Check (✓) if Applies
53 Los Angeles Co.	N/A	<input checked="" type="checkbox"/>	1401	06/15/01	<input checked="" type="checkbox"/>
53 Orange Co.	N/A	<input type="checkbox"/>	1402	03/17/00	<input type="checkbox"/>
53 Riverside Co.	N/A	<input type="checkbox"/>	1403	04/08/94	<input type="checkbox"/>
53 San Bernardino Co.	N/A	<input type="checkbox"/>	1404	04/06/90	<input checked="" type="checkbox"/>
53A San Bernardino Co.	N/A	<input type="checkbox"/>	1405	01/04/91	<input type="checkbox"/>
218.1	05/14/99	<input type="checkbox"/>	1406	07/08/94	<input type="checkbox"/>
402	05/07/76	<input checked="" type="checkbox"/>	1407	07/08/94	<input type="checkbox"/>
429	12/21/90	<input type="checkbox"/>	1411	03/01/91	<input type="checkbox"/>
441	05/07/76	<input type="checkbox"/>	1414	05/03/91	<input type="checkbox"/>
443.1	12/05/86	<input type="checkbox"/>	1415	10/14/94	<input checked="" type="checkbox"/>
473	05/07/76	<input type="checkbox"/>	1418	09/10/99	<input type="checkbox"/>
1109	08/05/88	<input type="checkbox"/>	1420	09/11/92	<input type="checkbox"/>
1110.1	10/04/85	<input checked="" type="checkbox"/>	1425	03/16/01	<input type="checkbox"/>
1110.2	11/14/97	<input checked="" type="checkbox"/>	1469	10/09/98	<input type="checkbox"/>
1116.1	10/20/78	<input type="checkbox"/>	1605	10/11/96	<input type="checkbox"/>
1118	02/13/98	<input checked="" type="checkbox"/>	1610	02/12/99	<input type="checkbox"/>
1137	02/01/02	<input type="checkbox"/>	1612	07/10/98	<input type="checkbox"/>
1146.2	01/09/98	<input type="checkbox"/>	1613	11/14/97	<input type="checkbox"/>
1150	10/15/82	<input type="checkbox"/>	1620	07/10/98	<input type="checkbox"/>
1163	06/07/85	<input type="checkbox"/>	1623	05/10/96	<input type="checkbox"/>
1170	05/06/88	<input type="checkbox"/>	2009	05/11/01	<input type="checkbox"/>
1178	12/21/01	<input type="checkbox"/>	2009.1	05/11/01	<input type="checkbox"/>
1191	06/16/00	<input type="checkbox"/>	2020	05/11/01	<input type="checkbox"/>
1192	06/16/00	<input type="checkbox"/>	2202	10/09/98	<input type="checkbox"/>
1193	06/16/00	<input type="checkbox"/>	2501	05/09/97	<input type="checkbox"/>
1194	10/20/00	<input type="checkbox"/>	2506	12/10/99	<input type="checkbox"/>
1195	04/20/01	<input type="checkbox"/>			<input type="checkbox"/>
1196	10/20/00	<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>
		<input type="checkbox"/>			<input type="checkbox"/>

Section I – CAM Status Summary for Emission Units

a. ☐ The emission units identified below are subject to the CAM rule¹ and a CAM plan² is attached for each affected emissions unit:

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Instructions for Determining Applicability to the CAM Rule

With the exception of emission units that are municipally-owned backup utility power units as described by 40 CFR Part 64, Section 64.2(b)(2)¹, the CAM rule is applicable to each emission unit (existing and new construction) at a Title V facility that meets ALL of the following criteria²:

1. The emission unit is subject to an emission limitation or standard³ (often found in permit conditions);
2. The emission unit uses a control device to achieve compliance with the emission limitation or standard; and,
3. The emission unit has a potential to emit (PTE)⁴, either pre-control or post-control depending on the type of Title V application⁵, that exceeds or is equivalent to any of Title V major source thresholds shown in the following table:

2+ HAPs: Significant Emissions Thresholds for Title V Major Sources (PTE)			
Contaminant	Significant Emissions Threshold (PTE)	Significant Emissions Threshold (PTE)	Significant Emissions Threshold (PTE)
VOC	10	25	100
NOx	10	25	100
SOx	100	100	100
CO	50	100	100
PM-10	70	70	100
1 HAP ⁶	10	10	10
2+ HAPs	25	25	25

¹ The facility must attach the documentation required by 40 CFR Part 64, Section 64.2 (b)(2) to demonstrate that the backup utility power unit only operates during periods of peak demand or emergency situations; and has actual emissions, averaged over the last three calendar years of operation, less than 50% of the major source emission thresholds.

² Additional information about the CAM rule can be found on EPA's website at <http://www.epa.gov/ttnemc01/cam.html>.

³ Only emission limitations and standards from an "applicable requirement" for emission units with control devices are subject to the CAM rule. Applicable requirements are federally-enforceable requirements that are rules adopted by AQMD or the State that are approved by EPA into the State Implementation Plan (SIP) (i.e. "SIP-approved rules"). Refer to Form 500-C1 for the latest versions of SIP-approved and non-SIP approved rules.

For emissions units with control devices that are subject to following federally enforceable requirements, the CAM rule does NOT apply: 1) NSPS (40 CFR Part 60); 2) NESHAP (40 CFR Parts 61 and 63); 3) Title VI of the Federal Clean Air Act (CAA) for Stratospheric Ozone Protection; 4) Title IV of the CAA and SCAQMD Regulation XXXI for Acid Rain facilities; 5) SCAQMD Regulation XX – RECLAIM; 6) Any emission cap that is federally enforceable, quantifiable, and meets the requirements in 40 CFR Part 70, Section 70.4 (b)(12); and 6) Emission limitation or standards for which a continuous compliance determination method is required.

⁴ To calculate the pre-control device and post-control device PTE for emission units at the facility, refer to the Title V Technical Guidance Document Version 2.0, Appendix A (pages A-12 through A-23). The calculations are used to determine the CAM applicability according to 40 CFR Part 64, Section 64.5 of the CAM rule.

⁵ For initial Title V or significant permit revision applications submitted after April 20, 1998, use the post-control device PTE emissions to determine CAM applicability. For Title V permit renewal applications (submittals will begin in 2002), the CAM applicability will be based on the pre-control device PTE.

⁶ Hazardous Air Pollutant



Air Products and Chemicals, Inc.
Title V Permit Application
Carson Hydrogen Plant

4.0 EXISTING RECLAIM FACILITY PERMIT

☒ Facility RECLAIM Permit



Air Products and Chemicals, Inc.
Title V Permit Application
Carson Hydrogen Plant

Section Four contains the Carson Hydrogen Plant's current RECLAIM facility permit. Section H presents the permitted units at the plant.



South Coast Air Quality Management District

21865 E. Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • <http://www.aqmd.gov>

January 1, 2002

Ms. Jennifer Creitz
Sr. Environmental Engineer
AIR PROD & CHEM INC 003417
7201 Hamilton Blvd.
Allentown, PA 18195-1501

Dear Ms. Creitz:

Enclosed is your Facility Permit for Compliance Year 2002. (January 1, 2002 through December 31, 2002).

Previously, at the beginning of each compliance year, we followed the language in Rule 2002(b)(4), which states only relevant sections of the Facility Permit shall be reissued at the beginning of the compliance year. Relevant sections include allocations and any other modifications approved or required. However, we wish to provide all Cycle I companies with a complete Facility Permit at the beginning of Compliance Year 2002.

Please review the enclosed permit carefully, as it will become your official Facility Permit. The permit changes are stated below. Please note that the South Coast Air Quality Management District (AQMD) rules allow you to appeal the terms and conditions of any sections of the enclosed Facility Permit by petitioning the Hearing Board within thirty days of receipt of the permit.

You have recently been sent an invoice for the annual operating renewal fee for your Facility Permit. This must be paid on or before the due date indicated on the invoice or your Facility Permit will expire due to non-payment of fees.

A. Facility Permit

The enclosed Facility Permit contains changes described as follows:

1. The revision number and dates have been updated to reflect the reissuance of the enclosed permit.

2. Section B – RECLAIM Annual Emission Allocation


Section B has been updated to reflect all approved RECLAIM Trading Credits transactions that have occurred during Compliance Year 2001. In addition, we may have incorporated the revisions associated with your requested changes or our review of your allocations. In such cases, your facility was previously informed of these revisions in a separate letter. Please be aware that additional allocation changes may occur as a result of last year's audit.

B. Appeals

As previously mentioned, if you determine that certain changes or clarifications need to be made to any sections of your permit, you may appeal the terms and conditions by petitioning the Hearing Board within thirty days of receipt of the enclosed permit. If you determine there are administrative errors in these sections of your permit, please notify AQMD staff within thirty days of receipt of your permit. Your facility is still bound by the requirements of your enclosed Facility Permit while your appeal is under consideration by AQMD staff and/or Hearing Board.

Any comments or questions regarding your Facility Permit should be directed to Mr. Tran Vo, Air Quality Analysis and Compliance Supervisor at (909) 396-2579.

Very truly yours,



Pang Mueller
Senior Manager
Refinery, Energy and RECLAIM Administration

CM:mse
Enclosure



FACILITY PERMIT TO OPERATE

**AIR PROD & CHEM INC
23300-2 S ALAMEDA ST
CARSON, CA 90810**

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By _____
Carol Coy
Deputy Executive Officer
Engineering & Compliance



FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

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FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION A: FACILITY INFORMATION

LEGAL OWNER &/OR OPERATOR: AIR PROD & CHEM INC

LEGAL OPERATOR (if different than owner):

EQUIPMENT LOCATION: 23300-20 S ALAMEDA ST
CARSON, CA 90810-1921

MAILING ADDRESS: 7201 HAMILTON BLVD
ALLENTOWN, PA 18195-1501

RESPONSIBLE OFFICIAL: CHRISTOPHER LOYD

TITLE: VICE PRESIDENT AND GENERAL MANAGER

TELEPHONE NUMBER: (610) 481-5102

CONTACT PERSON: JENNIFER CREITZ

TITLE: SR. ENVIRONMENTAL ENGINEER

TELEPHONE NUMBER: (610) 481-4755

TITLE V		RECLAIM	
NO	NOx:	YES	
	SOx:	NO	
	CYCLE:	1	
	ZONE:	COASTAL	

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION B: RECLAIM ANNUAL EMISSION ALLOCATION**

The annual allocation of NOx RECLAIM Trading Credits (RTCs) for this facility is calculated pursuant to Rule 2002. Total NOx emission shall not exceed such annual allocations unless the operator obtains RTCs corresponding to the facility's increased emissions in compliance with Rules 2005 and 2007.

RECLAIM POLLUTANT ANNUAL ALLOCATION (POUNDS)

Year		Zone	NOx RTC Initially Allocated	NOx RTC ¹ Holding as of 01/01/02 (pounds)	Non-Tradable ² Credits (NTCs) (pounds)
Begin (month/year)	End (month/year)				
1/1999	12/1999	Coastal	0	2766	
7/1999	6 /2000	Coastal	0	10338	
1/2000	12/2000	Coastal	0	5956	
7/2000	6 /2001	Coastal	0	4960	
1/2001	12/2001	Coastal	0	10608	
7/2001	6 /2002	Coastal	0	28920	
1/2002	12/2002	Coastal	0	9516	
7/2002	6 /2003	Coastal	0	30012	
1/2003	12/2003	Coastal	0	8424	
7/2003	6 /2004	Coastal	0	30558	
1/2004	12/2004	Coastal	0	8424	
7/2004	6 /2005	Coastal	0	30558	
1/2005	12/2005	Coastal	0	8424	
7/2005	6 /2006	Coastal	0	30558	
1/2006	12/2006	Coastal	0	8424	
7/2006	6 /2007	Coastal	0	30558	
1/2007	12/2007	Coastal	0	8424	
7/2007	6 /2008	Coastal	0	30558	
1/2008	12/2008	Coastal	0	8424	
7/2008	6 /2009	Coastal	0	30558	
1/2009	12/2009	Coastal	0	8424	
7/2009	6 /2010	Coastal	0	30558	
1/2010	12/2010	Coastal	0	8424	
7/2010	6 /2011	Coastal	0	30558	

Footnotes:

1. Changes to this figure due to trades, sales, or purchases of RTCs are not shown but current total RTC information can be obtained from the District's RTC Listing.
2. The use of such credits is subject to restrictions set forth in paragraph (h)(2) of Rule 2002.



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION C: FACILITY PLOT PLAN

(TO BE DEVELOPED)



21865 East Copley Drive, Diamond Bar, CA 91765

Section D	Page: 1
Facility I.D.:	3417
Revision #:	3
Date:	January 01, 2002

FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

NONE

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION E: ADMINISTRATIVE CONDITIONS**

The operating conditions in this section shall apply to all permitted equipment at this facility unless superseded by condition(s) listed elsewhere in this permit.

1. The permit shall remain effective unless this permit is suspended, revoked, modified, reissued, denied, or it is expired for nonpayment of permit processing or annual operating fees. [201, 203, 209, 301]
 - a. The permit must be renewed annually by paying annual operating fees, and the permit shall expire if annual operating fees are not paid pursuant to requirements of Rule 301(d). [301(d)]
 - b. The Permit to Construct listed in Section H shall expire one year from the Permit to Construct issuance date, unless a Permit to Construct extension has been granted by the Executive Officer or unless the equipment has been constructed and the operator has notified the Executive Officer prior to the operation of the equipment, in which case the Permit to Construct serves as a temporary Permit to Operate. [202, 205]
 - c. The Title V permit shall expire as specified under Section K of the Title V permit. The permit expiration date of the Title V facility permit does not supercede the requirements of Rule 205. [205, 3004]
2. The operator shall maintain all equipment in such a manner that ensures proper operation of the equipment. [204]
3. This permit does not authorize the emissions of air contaminants in excess of those allowed by Division 26 of the Health and Safety Code of the State of California or the Rules and Regulations of the AQMD. This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other governmental agencies. [204]
4. The operator shall not use equipment identified in this facility permit as being connected to air pollution control equipment unless they are so vented to the identified air pollution control equipment which is in full use and which has been included in this permit. [204]
5. The operator shall not use any equipment having air pollution control device(s) incorporated within the equipment unless the air pollution control device is in full operation. [204]
6. The operator shall maintain records to demonstrate compliance with rules or permit conditions that limit equipment operating parameters, or the type or quantity of material processed. These records shall be made available to AQMD personnel upon request and be maintained for at least: [204]

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION E: ADMINISTRATIVE CONDITIONS**

- a. Three years for a facility not subject to Title V; or
 - b. Five years for a facility subject to Title V.
7. The operator shall maintain and operate all equipment to ensure compliance with all emission limits as specified in this facility permit. Compliance with emission limits shall be determined according to the following specifications, unless otherwise specified by AQMD rules or permit conditions: [204]
- a. For internal combustion engines and gas turbines, measured concentrations shall be corrected to 15 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1110.2, 1134, 204]
 - b. For other combustion devices, measured concentrations shall be corrected to 3 percent stack-gas oxygen content on a dry basis and be averaged over a period of 15 consecutive minutes; [1146, 1146.1, 204]
 - c. For a large NO_x source, compliance with a RECLAIM concentration limit shall be measured over a continuous 60 minutes for that source; [2012]
 - d. For non-combustion sources, compliance with emission limits shall be determined and averaged over a period of 60 minutes; [204]
 - e. For the purpose of determining compliance with Rule 407, carbon monoxide (CO) shall be measured on a dry basis and be averaged over 15 consecutive minutes, and sulfur compounds which would exist as liquid or gas at standard conditions shall be calculated as sulfur dioxide (SO₂) and be averaged over 15 consecutive minutes; [407]
 - f. For the purpose of determining compliance with Rule 409, combustion contaminant emission measurements shall be corrected to 12 percent of carbon dioxide (CO₂) at standard conditions and averaged over 15 consecutive minutes. [409]
 - g. For the purpose of determining compliance with Rule 475, combustion contaminant emission measurements shall be corrected to 3 percent of oxygen (O₂) at standard conditions and averaged over 15 consecutive minutes or any other averaging time specified by the Executive Officer. [475]
8. All equipment operating under the RECLAIM program shall comply concurrently with all provisions of AQMD Rules and Regulation, except those listed in Table 1 of Rule 2001 for NO_x RECLAIM sources and Table 2 of Rule 2001 for SO_x RECLAIM sources. Those provisions listed in Tables 1 or 2 shall not apply to NO_x or SO_x emissions after the date the facility has demonstrated compliance with all monitoring and reporting requirements of Rules 2011 or 2012, as applicable. Provisions of the listed AQMD rules in Tables 1 or 2 which have initial implementation dates in 1994 shall not apply to a RECLAIM NO_x or SO_x source, respectively. [2001]

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION E: ADMINISTRATIVE CONDITIONS**

9. The operator shall, when a source test is required by AQMD, provide a source test protocol to AQMD no later than 60 days before the proposed test date. The test shall not commence until the protocol is approved by AQMD. The test protocol shall contain the following information: [204, 304]
 - a. Brief description of the equipment tested.
 - b. Brief process description, including maximum and normal operating temperatures, pressures, through-put, etc.
 - c. Operating conditions under which the test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Brief description of sampling and analytical methods used to measure each pollutant, temperature, flow rates, and moisture.
 - f. Description of calibration and quality assurance procedures.
 - g. Determination that the testing laboratory qualifies as an "independent testing laboratory" under Rule 304 (no conflict of interest).
10. The operator shall submit a report no later than 60 days after conducting a source test, unless otherwise required by AQMD Rules or equipment-specific conditions. The report shall contain the following information: [204]
 - a. The results of the source test.
 - b. Brief description of the equipment tested.
 - c. Operating conditions under which test will be performed.
 - d. Method of measuring operating parameters, such as fuel rate and process weight. Process schematic diagram showing the ports and sampling locations, including the dimensions of the ducts/stacks at the sampling locations, and distances of flow disturbances, (e.g. elbows, tees, fans, dampers) from the sampling locations (upstream and downstream).
 - e. Field and laboratory data forms, strip charts and analyses.
 - f. Calculations for volumetric flow rates, emission rates, control efficiency, and overall control efficiency.
11. The operator shall, when a source test is required, provide and maintain facilities for sampling and testing. These facilities shall comply with the requirements of AQMD Source Test Method 1.1 and 1.2. [217]



FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION E: ADMINISTRATIVE CONDITIONS

12. Whenever required to submit a written report, notification or other submittal to the Executive Officer, AQMD, or the District, the operator shall mail or deliver the material to: Deputy Executive Officer, Engineering and Compliance, AQMD, 21865 E. Copley Drive, Diamond Bar, CA 91765-4182.
[204]

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

The Facility shall comply with all applicable monitoring and source testing requirements in Regulation XX. These requirements may include but are not limited to the following:

I. NOx Monitoring Conditions

A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:

1. Install, maintain, and operate an AQMD certified direct or time-shared monitoring device or an approved alternative monitoring device for each major NOx source to continuously measure the concentration of NOx emissions and all other applicable variables specified in Rule 2012, Table 2012-1 and Rule 2012, Appendix A, Table 2-A to determine the NOx emissions rate from each source. The time-sharing of CEMS among NOx sources may be allowed by the Executive Officer in accordance with the requirements for time sharing specified in Appendix A. [2012]
2. Install, maintain, and operate a totalizing fuel meter approved by the Executive Officer for each major source. [2012]
3. If the facility is operating existing CEMS and fuel meters, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect prior to October 15, 1993 until the CEMS is certified pursuant to Rule 2012. [2012]
4. Use valid data collected by an AQMD certified or provisionally certified CEMS in proper operation that meets all the requirements of Appendix A of Rule 2012, unless final certification of the CEMS is denied, to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
 - a. compliance with the annual Allocation;
 - b. excess emissions;
 - c. the amount of penalties; and
 - d. fees.
5. Follow missing data procedures as specified in Rule 2012 Appendix A whenever valid data is not available or collected to determine mass emissions for all purposes, including, but not limited to, determining: [2012]
 - a. compliance with the annual Allocation;
 - b. excess emissions;
 - c. the amount of penalties; and
 - d. fees.

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION F: RECLAIM MONITORING AND SOURCE TESTING REQUIREMENTS**

B. The Operator of a NOx Large Source, as defined in Rule 2012, shall, as applicable:

Not Applicable

C. The Operator of a NOx Process Unit, as defined in Rule 2012, shall, as applicable:

Not Applicable

II. NOx Source Testing and Tune-up Conditions

1. The operator shall conduct all required NOx source testing in compliance with an AQMD-approved source test protocol. [2012]
2. The operator shall, as applicable, conduct source tests for every large NOx source no later than December 31, 1996 and every 3 years thereafter. The source test shall include the determination of NOx concentration and a relative accuracy audit of the exhaust stack flow determination (e.g. in-stack flow monitor or fuel flow monitor based F-factor calculation). Such source test results shall be submitted per the schedule described by APEP. In lieu of submitting the first source test report, the facility permit holder may submit the results of a source test not more than 3 years old which meets the requirements when conducted. [2012]
3. All NOx large sources and NOx process units shall be tuned-up in accordance with the schedule specified in Rule 2012, Appendix A, Chapter 5, Table 5-B. [2012]



FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR RECLAIM SOURCES

The Facility shall comply with all applicable reporting and recordkeeping requirements in Regulation XX. These requirements may include but are not limited to the following:

I. Recordkeeping Requirements for all RECLAIM Sources

1. The operator shall maintain all monitoring data required to be measured or reported pursuant to Rule 2011 and Rule 2012, whichever is applicable. All records shall be made available to AQMD staff upon request and be maintained for at least:
 - a. Three years after each APEP report is submitted to AQMD for a facility not subject to Title V, unless a different time period is required in Rule 2011 or Rule 2012 [2011 & 2012]; or
 - b. Five years after each APEP report is submitted to AQMD for a facility subject to Title V. [3004(a)(4)(E)]
 - c. Notwithstanding the above, all data gathered or computed for intervals of less than 15 minutes shall only be maintained a minimum of 48 hours. [2011 & 2012]
2. The operator shall store on site and make available to the Executive Officer upon request, records used to determine emissions, maintenance records, sources test reports, relative accuracy test audit reports, relative accuracy audit reports and fuel meter calibration records. [2011 & 2012]

II. Reporting Requirements for all RECLAIM Sources

1. The operator shall submit a quarterly certification of emissions including the facility's total NOx or SOx emissions, whichever is applicable, for the quarter within 30 days after the end of the first three quarters and 60 days after the end of the fourth quarter of a compliance year. [2011 & 2012]

NOx Reporting Requirements

- A. The Operator of a NOx Major Source, as defined in Rule 2012, shall, as applicable:
 1. No later than 12 months after entry into the RECLAIM program or after the initial operation of a new major source, whichever is later, install, maintain, and operate a reporting device to electronically report everyday to the AQMD central station for each major NOx source, the total daily mass emissions of NOx and daily status codes. Such data

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION G: RECORDKEEPING AND REPORTING REQUIREMENTS FOR
RECLAIM SOURCES**

shall be transmitted by 5:00 p.m. of the following day. If the facility experiences a power, computer, or other system failure that prevents the submittal of the daily report, the Facility Permit holder shall be granted 24 hours extension to submit the report. [2012]

2. Calculate NO_x emissions pursuant to missing data procedures set forth in Appendix A, Chapter 2 of Rule 2012 if the Facility Permit holder fails to meet the deadline for submitting the daily report. [2012]
 3. Submit an electronic report within 15 days following the end of each month totaling NO_x emissions from all major NO_x sources during the month. [2012]
 4. For those facilities with existing CEMS and fuel meters as of October 15, 1993, continue to follow recording and reporting procedures required by AQMD Rules and Regulations in effect until the CEMS is certified pursuant to Rule 2011 and/or Rule 2012, as applicable. [2012]
- B. The Operator of a NO_x Large Source, as defined in Rule 2012, shall:
- Not Applicable
- C. The Operator of NO_x Process Units, as defined in Rule 2012, shall:
- Not Applicable

FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : HYDROGEN PRODUCTION					
System 1 : HYDROGEN PLANT					
VESSEL, V-101, FEED GAS SEPARATOR, DIAMETER: 4 FT; HEIGHT: 10 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D4				71-1
FILTER, F-200A/B, FEED COMPRESSOR INLET A/N: 337978 Permit to Construct Issued: 09/11/98	D5				
COMPRESSOR, C-200A/B, FEED, SINGLE STAGE, CAPACITY: 1,302,065 DSCFH, 12,000 HP EACH A/N: 337978 Permit to Construct Issued: 09/11/98	D6				
HEAT EXCHANGER, E-201A/B, FEED COMPRESSOR DISCHARGE COOLER, SHELL AND TUBE TYPE, 5.33 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D7				
VESSEL, K-201A/B, FEED COMPRESSOR DISCHARGE COALESCER, CAPACITY: 1.302 MMSCFH, WITH PRESSURE RELIEF VALVE VENTED TO FLARE A/N: 337978 Permit to Construct Issued: 09/11/98	D8	C33			

- | | |
|--|--|
| <p>*(1) Denotes RECLAIM emission factor</p> <p>(3) Denotes RECLAIM concentration limit</p> <p>(5)(5A)(5B) Denotes command and control emission limit</p> <p>(7) Denotes NSR applicability limit</p> <p>(9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate</p> <p>(4) Denotes BACT emission limit</p> <p>(6) Denotes air toxic control rule limit</p> <p>(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)</p> <p>(10) See Section J for NESHAP/MACT requirements</p> |
|--|--|

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : HYDROGEN PRODUCTION					
HEAT EXCHANGER, E-103, PROCESS GAS BOILER, SHELL AND TUBE TYPE, 198.26 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D9				
REACTOR, V-109, HIGH TEMPERATURE SHIFT, DIAMETER: 12 FT; HEIGHT: 16 FT 6 IN A/N: 337978 Permit to Construct Issued: 09/11/98	D10				
HEAT EXCHANGER, E-104, FEED PREHEATER, SHELL AND TUBE TYPE, 28.44 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D11				
VESSEL, V-104, HYDROGENATOR, DIAMETER: 8 FT 6 IN; HEIGHT: 11 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D12				
VESSEL, V-105, FEED DESULFURIZER, WITH ZINC OXIDE CATALYST, DIAMETER: 9 FT 6 IN; HEIGHT: 11 FT 6 IN A/N: 337978 Permit to Construct Issued: 09/11/98	D13				
VESSEL, V-103, PRE-REFORMER, WITH PRE-REFORMER CATALYST, DIAMETER: 7 FT 6 IN; HEIGHT: 15 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D14				

- | | |
|---|--|
| <p>* (1) Denotes RECLAIM emission factor</p> <p>(3) Denotes RECLAIM concentration limit</p> <p>(5)(5A)(5B) Denotes command and control emission limit</p> <p>(7) Denotes NSR applicability limit</p> <p>(9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate</p> <p>(4) Denotes BACT emission limit</p> <p>(6) Denotes air toxic control rule limit</p> <p>(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)</p> <p>(10) See Section J for NESHAP/MACT requirements</p> |
|---|--|

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : HYDROGEN PRODUCTION					
HEAT EXCHANGER, E-106, BFW PREHEATER, SHELL AND TUBE TYPE, 89.63 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D15				
HEAT EXCHANGER, E-108, DEAERATOR WATER HEATER, SHELL AND TUBE TYPE, 43.53 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D16				
HEAT EXCHANGER, E-109, PROCESS GAS AIR COOLER, FAN TYPE, 100.43 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D17				
HEAT EXCHANGER, E-110, PROCESS TRIM COOLER, SHELL AND TUBE TYPE, 8.71 MMBTU/HR A/N: 337978 Permit to Construct Issued: 09/11/98	D18				
VESSEL, V-112, PROCESS CONDENSATE SEPARATOR, WITH PRV VENTED TO FLARE, DIAMETER: 7 FT; HEIGHT: 21 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D19	C33			
ADSORBER, V8000 A THRU J, PSA, 10 IDENTICAL UNITS, DIAMETER: 12 FT; HEIGHT: 29 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D20				336-1

- | | |
|--|--|
| (1) Denotes RECLAIM emission factor | (2) Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5)(5A)(5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits | (10) See Section J for NESHAP/MACT requirements |

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

AQMD

FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: HYDROGEN PRODUCTION					
VESSEL, V-113A/B, PSA SURGE DRUM, WITH PRV VENTED TO FLARE, DIAMETER: 12 FT; HEIGHT: 90 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D21	C33			
VESSEL, V-107, CONTINUOUS BLOWDOWN DRUM, DIAMETER: 2 FT 6 IN; HEIGHT: 9 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D22				
VESSEL, V-129, INTERMITTENT BLOWDOWN DRUM, VENTED TO ATMOSPHERE, DIAMETER: 5 FT; HEIGHT: 10 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D23				
VESSEL, V-114, DEAERATOR, VENTED TO HEATER FIREBOX, WITH PRV VENTED TO ATMOSPHERE, DIAMETER: 10 FT; HEIGHT: 23 FT 11 IN A/N: 337978 Permit to Construct Issued: 09/11/98	D24	D30			57-1
COMPRESSOR, C-251A/B, 1ST STAGE PRODUCT HYDROGEN, CAPACITY: 3.333 MMSCFH A/N: 337978 Permit to Construct Issued: 09/11/98	D25				

- | | |
|--|--|
| <p>*(1) Denotes RECLAIM emission factor</p> <p>(3) Denotes RECLAIM concentration limit</p> <p>(5)(5A)(5B) Denotes command and control emission limit</p> <p>(7) Denotes NSR applicability limit</p> <p>(9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate</p> <p>(4) Denotes BACT emission limit</p> <p>(6) Denotes air toxic control rule limit</p> <p>(8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.)</p> <p>(10) See Section J for NESHAP/MACT requirements</p> |
|--|--|

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1 : HYDROGEN PRODUCTION					
VESSEL, K-251A/B, 1ST STAGE COMPRESSOR COALESCER, CAPACITY: 2.708 MMSCFH A/N: 337978 Permit to Construct Issued: 09/11/98	D26				
COMPRESSOR, C-252A/B, 2ND STAGE HYDROGEN PRODUCT, CAPACITY: 2.708 MMSCFH A/N: 337978 Permit to Construct Issued: 09/11/98	D27				
VESSEL, K-252A/B, 2ND STAGE COMPRESSOR COALESCER, CAPACITY: 2.708 MMSCFH A/N: 337978 Permit to Construct Issued: 09/11/98	D28				
VESSEL, V-133, OIL BLOWDOWN DRUM, VENTED TO FLARE, DIAMETER: 3 FT; HEIGHT: 7 FT A/N: 337978 Permit to Construct Issued: 09/11/98	D29	C33			
Process 2 : REFORMING					P2-1
System 1 : REFORMER HEATER					
HEATER, H-101, REFORMER, NATURAL GAS, PSA GAS, 764 MMBTU/HR WITH A/N: 337979 Permit to Construct Issued: 08/03/01	D30	D24 C32	NOX: MAJOR SOURCE**	CO: 10 PPMV (5) [RULE 1303(b)(2)-Offset, 5-10-1996] ; NOX: 5 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	12-1, 57-2, 67-1, 182-1, 195-1

- | | |
|---|---|
| <p>* (1) Denotes RECLAIM emission factor</p> <p>(3) Denotes RECLAIM concentration limit</p> <p>(5)(5A)(5B) Denotes command and control emission limit</p> <p>(7) Denotes NSR applicability limit</p> <p>(9) See App B for Emission Limits</p> | <p>(2) Denotes RECLAIM emission rate</p> <p>(4) Denotes BACT emission limit</p> <p>(6) Denotes air toxic control rule limit</p> <p>(8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)</p> <p>(10) See Section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

AQMD

FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 2 : REFORMING					P2-1
BURNER, NATURAL GAS, PSA GAS, JOHN ZINK, MODEL PFLD-SF, 117, DOWNFIRED, STAGED TYPE, WITH LOW NOX BURNER				PM10: 0.005 LBS/MMBTU (5) [RULE 1303(b)(2)-Offset, 5-10-1996]	
System 2 : AIR POLLUTION CONTROL SYSTEM					
SELECTIVE CATALYTIC REDUCTION, X-102, 42 MODULES, WITH AMMONIA INJECTION, 1490 CU.FT.; HEIGHT: 3 FT; LENGTH: 3 FT 2 IN; WIDTH: 6 FT 4 IN A/N: 337980 Permit to Construct Issued: 09/11/98	C32	D30		NH3: 20 PPMV (4) [RULE 1303(a)(1)-BACT, 5-10-1996]	12-3
Process 3 : STORAGE TANK					
System 1 : FIXED ROOF STORAGE TANK					
STORAGE TANK, FIXED ROOF, V-135, AQUEOUS AMMONIA, 10000 GALS; DIAMETER: 8 FT 6 IN; HEIGHT: 19 FT A/N: 337981 Permit to Construct Issued: 09/11/98	D34				

- * (1) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5)(5A)(5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8)(8A)(8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See Section J for NESHAP/MACT requirements

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4 : FLARE					
System 1 : RELIEF FLARE					
FLARE, ELEVATED WITHOUT STEAM, X-940, JOHN ZINK, MODEL EEFLHTS-150/70, AIR ASSISTED, NATURAL GAS, WITH AN INTEGRAL LIQUID SEAL AND KNOCK-OUT DRUM, DIAMETER: 6 FT 2 IN; HEIGHT: 150 FT A/N: 337982 Permit to Construct Issued: 09/11/98	C33	D8 D19 D21 D29			12-2

- | | |
|--|--|
| (1) Denotes RECLAIM emission factor | (2) Denotes RECLAIM emission rate |
| (3) Denotes RECLAIM concentration limit | (4) Denotes BACT emission limit |
| (5)(5A)(5B) Denotes command and control emission limit | (6) Denotes air toxic control rule limit |
| (7) Denotes NSR applicability limit | (8)(8A)(8B) Denotes 40 CFR limit(e.g. NSPS, NESHAPS, etc.) |
| (9) See App B for Emission Limits | (10) See Section J for NESHAP/MACT requirements |

** Refer to Section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION H: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

AQMD

FACILITY PERMIT TO OPERATE AIR PROD & CHEM INC

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D4	1	1	1
D5	1	1	1
D6	1	1	1
D7	1	1	1
D8	1	1	1
D9	2	1	1
D10	2	1	1
D11	2	1	1
D12	2	1	1
D13	2	1	1
D14	2	1	1
D15	3	1	1
D16	3	1	1
D17	3	1	1
D18	3	1	1
D19	3	1	1
D20	3	1	1
D21	4	1	1
D22	4	1	1
D23	4	1	1
D24	4	1	1
D25	4	1	1
D26	5	1	1
D27	5	1	1
D28	5	1	1
D29	5	1	1
D30	5	2	1
C32	6	2	2
C33	7	4	1
D34	6	3	1

**FACILITY PERMIT TO OPERATE
AIR PROB & CHEM INC**

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

PROCESS CONDITIONS

P2-1. The operator shall limit emissions from this process as follows

CONTAMINANT	EMISSIONS LIMIT
NOX	Less than or equal to 121 LBS IN ANY ONE DAY
CO	Less than or equal to 147 LBS IN ANY ONE DAY
PM10	Less than or equal to 92 LBS IN ANY ONE DAY
ROG	Less than or equal to 129 LBS IN ANY ONE DAY

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Processes subject to this condition : 2]

DEVICE CONDITIONS

12-1. The operator shall install and maintain a(n) measuring device to accurately indicate the oxygen concentration in the flue gas at the convective section or exhaust stack of this heater. The excess oxygen such measured shall be at a minimum of 1 percent, dry basis, except during startup, shutdown, or process upset.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D30]

12-2. The operator shall install and maintain a(n) flow meter to accurately indicate the flow rate of the flare gases in order to comply with District Rule 1118.

[RULE 1118, 2-13-1998]

[Devices subject to this condition : C33]

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

- 12-3. The operator shall install and maintain a(n) temperature gauge to accurately indicate the temperature across the SCR bed.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : C32]

- 57-1. The operator shall vent this equipment to the fire-box of the reformer heater whenever the hydrogen plant is in operation, except during startup, shutdown, or emergency.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D24]

- 57-2. The operator shall vent this equipment to an air pollution control equipment consisting of a selective catalytic reduction (SCR) system which is in full use whenever this equipment is in operation, except during startup or shutdown period. Startup or shutdown period, excluding the refractory dry-out period, shall not exceed 48 consecutive hours. If the heater exhaust reaches 570 degree F, the flue gas shall be vented through the SCR system using ammonia injection. Refractory dryout and steam blows shall be permitted up to a total of 144 consecutive hours to allow the curing of refractory materials and blow out of steam lines.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D30]

- 67-1. The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

During startup, shutdown and dry-out/steam blow periods, the hourly firing rates, flue gas temperature, process feed flow rates, inlet and outlet process fluid temperatures, excess oxygen and NOX emissions.

[RULE 2012, 4-9-1999]

[Devices subject to this condition : D30]

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

- 71-1. The operator shall not use this equipment to process any feed gas except commercial pipe-line quality natural gas.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D4]

- 182-1. The operator shall test this equipment in accordance with the following specifications:

The test shall be conducted at least annually.

During the test, the hydrogen plant shall be operated at least 80 percent of the permitted maximum rated capacity or within a capacity range approved by the District.

A source test protocol shall be submitted to the District no later than 60 days before the proposed test date. The annual test may commence without prior approval from the District if it is conducted according to a source test protocol previously approved by the District for this equipment. The District shall be notified of the date and time of the test at least 15 days prior to the test. A report shall be submitted to the District no later than 90 days after conducting the test.

Testing and sampling facility shall be provided and maintained in accordance with District Source Test Method 1.1 or 1.2 and District Guidelines for Construction of Sampling and Testing Facilities.

The test shall determine and report the concentrations and mass emission rates for NOX, CO, PM10, ROG, and the following:

- a) NOX in lb/MMBTU of heat input, from the inlet and outlet of the SCR unit
- b) Excess oxygen in percent dry basis, from the SCR unit outlet
- c) Ammonia in ppmv, from the SCR unit outlet
- d) Flue gas flow rate in scf/hr, from the SCR unit outlet
- e) Heating value(HHV), in BTU/SCF, of fuel gases supplied to the hydrogen reforming heater
- f) Control efficiency of the SCR unit

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D30]

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE**

The operator shall comply with the terms and conditions set forth below:

195-1. The 5 PPM NOX emission limit(s) are averaged over any 3 consecutive hours.

[RULE 1303(a)(1)-BACT, 5-10-1996]

[Devices subject to this condition : D30]

336-1. The operator shall vent the vent gases from this equipment as follows:

All PSA purge gases shall be directed to the reformer heater, except during startup, shutdown, or emergency. Atmospheric venting of product hydrogen and carbon monoxide shall be permitted only during periods of emergency, startup, shutdown or unforeseen turndown of hydrogen demand; provided that such discharges do no endanger the health and safety of any person or the public, or cause damage to business or property.

[RULE 1303(b)(2)-Offset, 5-10-1996]

[Devices subject to this condition : D20]



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

SECTION I: COMPLIANCE PLANS & SCHEDULES

NONE

**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC****SECTION J: AIR TOXICS****NOT APPLICABLE**



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

**APPENDIX A: NOX AND SOX EMITTING EQUIPMENT EXEMPT FROM WRITTEN
PERMIT PURSUANT TO RULE 219**

NONE



**FACILITY PERMIT TO OPERATE
AIR PROD & CHEM INC**

APPENDIX B: RULE EMISSION LIMITS

NOT APPLICABLE

APPENDIX A

REGULATORY REVIEW MATRICES

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

TABLE A-1.0 FEDERAL RULES, REGULATIONS AND STANDARDS

Regulation/ Rule Citation	Regulation/ Rule Name	Applicability			Future Effective Date	Reference Table ²
		Yes	No	Reason code ¹		
40 CFR 50	National Primary and Secondary Air Quality Standards		x	a		
40 CFR 51	Requirements for Preparation, Adoption and Submittal of Implementation Plans		x	a		
40 CFR 52	Approval and Promulgation of Implementation Plans		x	a		
40 CFR 53	Ambient air monitoring reference and equivalent methods		x	a		
40 CFR 54	Prior notice of citizen suits		x	a		
40 CFR 55	Outer continental shelf air regulations		x	a		
40 CFR 56	Regional consistency		x	a		
40 CFR 57	Primary nonferrous smelter orders		x	b		
40 CFR 58	Ambient air quality surveillance		x	a		
40 CFR 59	[Proposed] National VOC Emission Standards for Consumer Products		x	b		
40 CFR 60	Standards of Performance for New Stationary Sources		x	b		1.1
40 CFR 61	National Emission Standards for Hazardous Air Pollutants		x	b		1.2
40 CFR 62	Approval and Promulgation of State Plans for Designated Facilities and Pollutants		x	a		
40 CFR 63	National Emission Standards for Hazardous Air Pollutants for Source Categories		x	b		1.3
40 CFR 64	Compliance Assurance Monitoring		x	b		1.4
40 CFR 65	Delayed Compliance Orders		x	a		
40 CFR 66	Assessment and Collection of Noncompliance Penalties by EPA		x	a		
40 CFR 67	EPA Approval of Noncompliance Penalty Program		x	a		
40 CFR 68	Chemical Accident Prevention Provisions	x		2		1.5
40 CFR 69	Special Exemptions from Requirements of CAA		x	a		
40 CFR 70	State Operating Permit Programs		x	a		
40 CFR 71	Federal Operating Permits Program		x	a		
40 CFR 72	Permits		x	b		
40 CFR 73	Sulfur Dioxide Allowance System		x	b		
40 CFR 74	Reserved					
40 CFR 75	Continuous Emissions Monitoring		x	b		
40 CFR 76	Acid Rain NOx Emission Reduction Program		x	b		
40 CFR 77	Excess Emissions		x	b		
40 CFR 78	Appeal Procedures for Acid Rain Program		x	b		
40 CFR 79	Registration of Fuels and Fuel Additives		x	b		
40 CFR 80	Regulation of Fuels and Fuel Additives		x	b		
40 CFR 81	Designation of Areas for Air Quality Planning Purposes		x	a		
40 CFR 82	Protection of Stratospheric Ozone	x		2		1.6
40 CFR 83	Reserved					
40 CFR 84	Reserved					
40 CFR 85	Control of Air Pollution from Motor Vehicles and Motor Vehicle Engines		x	b		
40 CFR 86	Control of Air Pollution from New and In-use Motor Vehicles and Motor Vehicle Engines: Certification and Test Procedures		x	b		
40 CFR 87	Control of Air Pollution from Aircraft and Aircraft Engines		x	b		
40 CFR 88	Clean Fuel Vehicles		x	a		

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

TABLE A-1.0 FEDERAL RULES, REGULATIONS AND STANDARDS

Regulation/ Rule Citation	Regulation/ Rule Name	Applicability			Future Effective Date	Reference Table ²
		Yes	No	Reason code ¹		
40 CFR 89	Control of Emissions from New and In-Use Non-Road Compression-Ignition Engines		x	b		
40 CFR 90	Control of Emissions from Nonroad Spark-Ignition Engines		x	b		
40 CFR 91	Control of Emissions From Marine Spark-Ignition Engines		x	b		
40 CFR 92	Control of Air Pollution from Locomotives and Locomotive Engines		x	b		
40 CFR 93	Determining Conformity of Federal Actions to State or Federal Implementation Plans		x	a		
40 CFR 94	Control of Air Pollution from Marine Compression-Ignition Engines		x	b		
40 CFR 95	Mandatory Patent Licenses		x	b		
40 CFR 96	NO(x) Budget Trading Program for State Implementation Plans		x	a		
40 CFR 97	Federal NO(x) Budget Trading Program		x	b		
40 CFR 98	Reserved					
40 CFR 99	Reserved					

¹Reason codes for non-applicability

a Does not apply to individual sources

b Does not apply to facilities of this type or specific equipment at this facility

¹Reason codes for applicability² See the referenced table for an applicability determination for each individual rule or regulation within the cited part.

FUT Future applicable requirement

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS: 40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
A	General Provisions	Includes testing, monitoring, and flare requirements for sources affected under other NSPS		x	b							
B	State Plans for Designated Facilities	Not directly applicable to facilities; requires states to promulgate standards for existing facilities for non-criteria pollutants where an NSPS has been issued for that source/pollutant combination [required by §111(d) of the Act]		x	a							
C	Emission Guidelines and Compliance Times	Not directly applicable to facilities; introduces subparts Ca and Cb (note that no guidance provided for other NSPS source/pollutant combinations, such as kraft pulp mills and petroleum refineries)		x	a							
Ca	Emission Guidelines and Compliance Times for Municipal Waste Combustors	Not directly applicable to facilities; establishes guidance for development and implementation of standards under subpart B		x	b							
Cb	Emission Guidelines and Compliance Times for Sulfuric Acid Production Units	Not directly applicable to facilities; establishes guidance for development and implementation of standards under subpart B		x	b							
Cc	Emission Guidelines and Compliance Times for Medical Waste Incinerators that are Constructed on or Before January 31, 1995	Not directly applicable to facilities; establishes guidance for development and implementation of standards under subpart B		x	b							
D	NSPS for Fossil Fuel-Fired Steam Generators for Which Construction is Commenced after 8/17/71	Particulate matter, SO ₂ , and NO _x limits for boilers with a heat input capacity > 250 MMBtu/hr		x	b							
Da	NSPS for Electric Utility Steam Generating Units for Which Construction is Commenced after 9/18/78	Particulate matter, SO ₂ , and NO _x limits for utility boilers (only) with a heat input capacity > 250 MMBtu/hr		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)**

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
Db	NSPS for Industrial-Commercial-Institutional Steam Generating Units	Particulate matter, SO ₂ , and NO _x limits for boilers with a heat input capacity > 100 MMBtu/hr for which construction, reconstruction, or modification commenced after 6/19/84		x	b							
Dc	NSPS for Small Industrial-Commercial-Institutional Steam Generating Units	Particulate matter, SO ₂ , and NO _x limits for boilers with a heat input capacity > 10 MMBtu/hr and < 100 MMBtu/hr for which construction, reconstruction, or modification commenced after 6/9/89		x	b							
E	NSPS for Incinerators	Particulate matter emission limits for solid waste incinerators with a charging rate > 50 tons per day for which construction, reconstruction, or modification commenced after 8/17/71		x	b							
Ea	NSPS for Municipal Waste Combustors	Particulate matter, dioxin/furan, SO ₂ , NO _x , and hydrogen chloride emission limits for MWC's with a capacity > 250 tons per day for which construction, reconstruction, or modification commenced after 12/20/89		x	b							
Eb	NSPS for Municipal Waste Combustors for Which Construction is Commenced after September 20, 1994	Emission limits for MWC metals, organics, and acid gases, and MWC operating practices and facility siting requirements applicable to MWC's with a capacity > 35 Mg/day.		x	b							
Ec	[Proposed] NSPS for Medical Waste Incinerators for Which Construction is Commenced after January 31, 1995	Particulate matter, dioxin/furan, lead, cadmium, mercury, SO ₂ , NO _x , hydrogen chloride, and CO emission limits; operator training requirements		x	b							
F	NSPS for Portland Cement Plants	Particulate matter and opacity limits for most sources at both wet and dry portland cement plants for which construction, reconstruction, or modification commenced after 8/17/71		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)**

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
G	NSPS for Nitric Acid Plants	NOx and opacity limits for nitric acid plants for which construction, reconstruction, or modification commenced after 8/17/71		x	b							
H	NSPS for Sulfuric Acid Plants	Sulfuric acid mist, SO ₂ , and opacity limits for sulfuric acid plants for which construction, reconstruction, or modification commenced after 8/17/71		x	b							
I	NSPS for Asphalt Concrete Plants	Particulate matter and opacity limits for all sources at each hot mix asphalt plant for which construction, reconstruction, or modification commenced after 6/11/73		x	b							
J	NSPS for Petroleum Refineries	SO ₂ limits for sulfur recovery units and fuel gas combustion devices and particulate matter, opacity, CO, and SO ₂ limits for FCCU's for which construction, reconstruction, or modification commenced after 6/11/73		x	b							
K	NSPS for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after 6/11/73	Equipment standards for tanks with a storage capacity > 65,000 gallons and for tanks > 40,000 gallons constructed after 3/8/74		x	b							
Ka	NSPS for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced after 5/18/78	Equipment standards for tanks with a storage capacity > 40,000 gallons		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)**

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
Kb	NSPS for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after 7/23/84	Equipment standards for tanks with a storage capacity > 10,567 gallons, with incremental exemptions based on size and vapor pressure		x	b							
L	NSPS for Secondary Lead Smelters	Particulate matter and opacity limits for reverberatory, pot, and blast furnaces for which construction, reconstruction, or modification commenced after 6/11/73		x	b							
M	NSPS for Secondary Brass and Bronze Production Plants	Particulate matter and opacity limits for reverberatory, electric, and blast furnaces for which construction, reconstruction, or modification commenced after 6/11/73		x	b							
N	NSPS for Primary Emissions from Basic Oxygen Process Furnaces for Which Construction is Commenced after 6/11/73	Particulate matter and opacity limits for emissions captured by the primary BOP furnace control system		x	b							
Na	NSPS for Secondary Emissions from Basic Oxygen Process Steelmaking Facilities for Which Construction is Commenced after 1/20/83	Particulate matter and opacity limits for top-blown BOP furnaces and for hot metal transfer stations and skimming stations used with top-blown or bottom-blown BOP furnaces		x	b							
O	NSPS for Sewage Treatment Plants	Particulate matter and opacity limits for incinerators that combust wastes containing 10% municipal sewage sludge (dry basis) or 1 megagram (1.1 tons, dry basis) per day of municipal sewage sludge		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)**

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
P	NSPS for Primary Copper Smelters	Particulate matter, opacity, and SO ₂ limits for dryers, roasters, smelting furnaces, and copper converters for which construction, reconstruction, or modification commenced after 10/16/74		x	b							
Q	NSPS for Primary Zinc Smelters	Particulate matter, opacity, and SO ₂ limits for roasters and sintering machines for which construction, reconstruction, or modification commenced after 10/16/74		x	b							
R	NSPS for Primary Lead Smelters	Particulate matter, opacity, and SO ₂ limits for sintering machines, blast furnaces, dross reverberatory furnaces, electric smelting furnaces, and converters for which construction, reconstruction, or modification commenced after 10/16/74		x	b							
S	NSPS for Primary Aluminum Reduction Plants	Fluoride and opacity limits for potroom groups and anode bake plants for which construction, reconstruction, or modification commenced after 10/23/74		x	b							
T	NSPS for the Phosphate Fertilizer Industry: Phosphoric Acid Plants	Fluoride emission limits and monitoring requirements for plants with a capacity > 15 tons of equivalent P ₂ O ₅ per day and for which construction or modification is commenced after 10/22/74		x	b							
U	NSPS for the Phosphate Fertilizer Industry: Superphosphoric Acid Plants	Fluoride emission limits and monitoring requirements for plants with a capacity > 15 tons of equivalent P ₂ O ₅ per day and for which construction or modification is commenced after 10/22/74		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS: 40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
V	NSPS for the Phosphate Fertilizer Industry: Diammonium Phosphate Plants	Fluoride emission limits and monitoring requirements for plants with a capacity > 15 tons of equivalent P ₂ O ₅ per day and for which construction or modification is commenced after 10/22/74		x	b							
W	NSPS for the Phosphate Fertilizer Industry: Triple Superphosphate Plants	Fluoride emission limits and monitoring requirements for plants with a capacity > 15 tons of equivalent P ₂ O ₅ per day and for which construction or modification is commenced after 10/22/74		x	b							
X	NSPS for the Phosphate Fertilizer Industry: Granular Triple Superphosphate Storage Facilities	Fluoride emission limits and monitoring requirements for plants with a capacity > 15 tons of equivalent P ₂ O ₅ per day and for which construction or modification is commenced after 10/22/74		x	b							
Y	NSPS for Coal Preparation Plants	Particulate matter and opacity limits for coal preparation plants which process > 200 tons per day of coal and for which construction or modification commenced after 10/24/74		x	b							
Z	NSPS for Ferroalloy Production Facilities	Particulate matter, opacity, and CO limits for electric submerged arc furnaces for which construction or modification commenced after 10/21/74		x	b							
AA	NSPS for Steel Plants: Electric Arc Furnace: Constructed After 10/21/74 and Before 8/17/83	Particulate matter and opacity limits.		x	b							
AAa	NSPS for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed after 8/7/83	Particulate matter and opacity limits		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
BB	NSPS for Kraft Pulp Mills	Particulate matter, opacity, and TRS limits for recovery furnaces, lime kilns, and smelt dissolving tanks and TRS limits for digester systems, brown stock washers, multiple-effect evaporator systems, and condensate stripper systems constructed or modified		x	b							
CC	NSPS for Glass Manufacturing Plants	Particulate matter and opacity limits for furnaces with a capacity ³ 5,016 tons per day, other than all-electric melters, constructed or modified after 6/15/79		x	b							
DD	NSPS for Grain Elevators	Particulate matter and opacity limits for each grain elevator at a wheat flour mill, wet corn mill, dry corn mill, rice mill, or soybean oil extraction plant with a permanent grain storage capacity of 1 million bushels		x	b							
EE	NSPS for Surface Coating of Metal Furniture	Applicable to all facilities for which construction, modification, or reconstruction commenced after 11/28/80; facilities using < 1,015 gallons of coating per year are exempt from the VOC limit		x	b							
FF	Reserved											
GG	NSPS for Stationary Gas Turbines	NOx and SO2 limits for units with a heat input at peak load ³ 10.7 gigajoules per hour (10.14 MMBtu/hr) for which construction, modification, or reconstruction commenced after 10/3/77		x	b							
HH	NSPS for Lime Manufacturing Plants	Particulate matter and opacity limits for rotary lime kilns at lime manufacturing operations (not kraft pulp mills) for which construction or modification is commenced after 5/3/77		x	b							
II	Reserved											
JJ	Repealed											

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
KK	NSPS for Lead-Acid Battery Manufacturing Plants	Lead and opacity limits for plants with the capacity to produce batteries containing ³ 6.5 tons of lead per day and for which construction or modification is commenced after 1/14/80		x	b							
LL	NSPS for Metallic Mineral Processing Plants	Particulate matter and opacity limits for facilities that produce metallic mineral concentrates and for which construction or modification is commenced after 8/24/82, regardless of size		x	b							
MM	NSPS for Automobile and Light-Duty Truck Surface Coating Operations	VOC limits for assembly plant coating lines for which construction or modification is commenced after 10/5/79, regardless of size		x	b							
NN	NSPS for Phosphate Rock Plants	Particulate matter and opacity limits for dryers, calciners, grinders, and ground phosphate rock storage and handling facilities, except those producing or preparing phosphate rock solely for consumption in elemental phosphorus production facilities		x	b							
OO	Reserved											
PP	NSPS for Ammonium Sulfate Manufacture	Particulate matter and opacity limits for ammonium sulfate dryers for which construction or modification commenced after 2/4/80, regardless of size		x	b							
QQ	NSPS for Graphic Arts Industry: Publication Rotogravure Printing	VOC limits for presses for which construction or modification commenced after 10/28/80, regardless of size		x	b							
RR	NSPS for Pressure Sensitive Tape and Label Surface Coating Operations	Applicable to operations for which construction or modification commenced after 12/30/80, regardless of size; operations with annual VOC input to process \geq 45 megagrams are exempt from VOC limit		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)**

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
SS	NSPS for Industrial Surface Coating: Large Appliances	VOC limits for operations for which construction, modification, or reconstruction commenced after 12/24/80, regardless of size		x	b							
TT	NSPS for Metal Coil Surface Coating	VOC limits for operations for which construction, modification, or reconstruction commenced after 1/5/81, regardless of size		x	b							
UU	NSPS for Asphalt Processing and Asphalt Roofing Manufacture	Particulate matter and opacity limits and monitoring requirements for saturators and mineral handling and storage facilities at asphalt roofing plants and for asphalt storage tanks and blowing stills at asphalt processing plants, petroleum refineries, and		x	b							
VV	NSPS for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry	Work practice (LDAR) requirements for SOCM facilities for which construction or modification commenced after 1/5/81		x	b							
WW	NSPS for the Beverage Can Surface Coating Industry	VOC limits for exterior base coating, overvarnish coating, and inside spray coating operations for which construction, modification, or reconstruction commenced after 11/26/80, regardless of size		x	b							
XX	NSPS for Bulk Gasoline Terminals	Equipment standards for loading racks at facilities having a throughput capacity > 20,000 gallons per day and for which construction, modification, or reconstruction commenced after 12/17/80		x	b							
YY	Reserved											
ZZ	Reserved											
AAA	NSPS for New Residential Wood Heaters			x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)**

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
BBB	NSPS for The Rubber Tire Manufacturing Industry	VOC limits for undertread cementing, tread end cementing, bead cementing, Michelin-A, Michelin-B, and Michelin-C operations at plants for which construction, modification, or reconstruction commenced after 1/20/83, regardless of size		x	b							
CCC	Reserved											
DDD	NSPS for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing Industry	VOC limits and work practice requirements for polypropylene, polyethylene, polystyrene, and poly(ethylene terephthalate) manufacturing operations for which construction, modification, or reconstruction commenced after 9/30/87		x	b							
EEE	Reserved											
FFF	NSPS for Flexible Vinyl and Urethane Coating and Printing	VOC limits for rotogravure printing lines which are used to coat flexible vinyl or urethane products and for which construction, modification, or reconstruction commenced after 1/18/83, regardless of size		x	b							
GGG	NSPS for Equipment Leaks of VOC in Petroleum Refiners	Work practice (LDAR) requirements for refineries for which construction, reconstruction, or modification commenced after 1/4/83, regardless of size		x	b							
HHH	NSPS for Synthetic Fiber Production Facilities	VOC limits for solvent-spun synthetic fiber production facilities for which construction or reconstruction is commenced after 11/23/82		x	b							
III	NSPS for Volatile Organic Compound (VOC) Emissions from the Synthetic Organic Chemical Manufacturing Industry (SOCMI) Air Oxidation Unit Processes	Applicable to each SOCMI air oxidation reactor for which construction, reconstruction, or modification commenced after 10/21/83; units with TRE > 4.0 exempt from VOC limits		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
JJJ	NSPS for Petroleum Dry Cleaners	Equipment standards for any petroleum solvent dry cleaning plant for which construction, reconstruction, or modification commenced after 12/14/82, regardless of size		x	b							
KKK	NSPS for Equipment Leaks of VOC From Onshore Natural Gas Processing Plants	Work practice (LDAR) requirements for facilities for which construction, reconstruction, or modification commenced after 1/20/84, regardless of size		x	b							
LLL	NSPS for Onshore Natural Gas Processing; SO ₂ Emissions	SO ₂ reduction efficiency requirements for sweetening units and sweetening unit/sulfur recovery unit combinations at facilities for which construction or modification commenced after 1/20/84		x	b							
MMM	Reserved											
NNN	NSPS for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical Manufacturing Industry (SOCMI) Distillation Operations	Applicable to each SOCMI distillation unit for which construction, reconstruction, or modification commenced after 12/30/83, regardless of size; units with vent stream flow rates < 0.008 m ³ /min or with a TRE > 8.0		x	b							
OOO	NSPS for Nonmetallic Mineral Processing Plants	Particulate matter and opacity limits for facilities for which construction, reconstruction, or modification commenced after 8/31/83; size exemption levels vary by material type (e.g., 25 tons/hr for sand & gravel)		x	b							
PPP	NSPS for Wool Fiberglass Insulation Manufacturing Plants	Particulate matter and monitoring requirements for each rotary spun wool fiberglass insulation manufacturing line for which construction, reconstruction, or modification commenced after 2/7/84, regardless of size		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)**

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
QQQ	NSPS for VOC Emissions From Petroleum Refinery Wastewater Systems	Equipment standards for drain systems and oil-water separators for which construction, modification, or reconstruction commenced after 5/4/87		x	b							
RRR	NSPS for Volatile Organic Compound (VOC) Emissions From Synthetic Organic Chemical manufacturing Industry (SOCMI) Reactor Processes	Applicable to each SOCMI reactor for which construction, reconstruction, or modification commenced after 6/29/90, regardless of size; units with vent stream flow rates < 0.011 m ³ /min or with a TRE > 8.0 or in a process unit with a capacity < 1 gigagram pe		x	b							
SSS	NSPS for Magnetic Tape Coating Facilities	Applicable to each coating operation and each piece of coating mix preparation equipment for which construction, reconstruction, or modification commenced after 1/22/86, regardless of size; new operations utilizing < 10,038 gallons of solvent per year		x	b							
TTT	NSPS for Industrial Surface Coating: Surface Coating of Plastic Parts for Business Machines	VOC limits for spray booths for which construction, modification, or reconstruction commenced after 1/8/86, regardless of size		x	b							
UUU	NSPS for Calciners and Dryers in Mineral Industries	Particulate matter and opacity requirements for facilities for which construction, modification, or reconstruction commenced after 4/23/86, regardless of size		x	b							
VVV	NSPS for Polymeric Coating of Supporting Substrates Facilities	VOC limits for coating operations (web coating processes involving application of elastomers, polymers, or prepolymers to a supporting web other than paper, plastic film, metallic foil, or metal coil) and onsite coating mix preparation equipment		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)**

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
WWW	NSPS for Municipal Solid Waste Landfills	NSPS for new landfills and emission guidelines for existing landfills. Emission controls (by suitable energy recovery system or combustion device) required for sources which emit landfill gas in excess of 50 Mg/yr.		x	b							
AAAA	Standards of Performance for Small Municipal Waste Combustion Units for Which Construction Is Commenced After August 30, 1999 or for Which Modification or Reconstruction Is Commenced After June 6, 2001	This subpart establishes new source performance standards for new small municipal waste combustion units.		x	b							
BBBB	Emission Guidelines and Compliance Times for Small Municipal Waste Combustion Units Constructed On or Before August 30, 1999	This subpart establishes emission guidelines and compliance schedules for the control of emissions from existing small municipal waste combustion units.		x	b							
CCCC	Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction Is Commenced After November 30, 1999 or for Which Modification or Reconstruction Is Commenced on or After June 1, 2001	This subpart establishes new source performance standards for commercial and industrial solid waste incineration (CISWI) units.		x	b							
DDDD	Emissions Guidelines and Compliance Times for Commercial and Industrial Solid Waste Incineration Units that Commenced Construction On or Before November 30, 1999	This subpart establishes emission guidelines and compliance schedules for the control of emissions from commercial and industrial solid waste incineration (CISWI) units.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.1 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 60 (NEW SOURCE PERFORMANCE STANDARDS)**

Regulation/ Rule Citation (40 CFR 60 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility- wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date

¹Reason codes for non-applicability

- a Does not apply to individual sources
- b Does not apply to facilities of this type or specific equipment at this facility
- c Facility does not meet applicability criteria

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.2 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 61 (NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS)**

Regulation/ Rule Citation (40 CFR 61 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
A	General Provisions	Includes testing & monitoring requirements for sources subject to other Part 61 NESHAP		x	b							
B	National Emission Standard for Radon Emissions from Underground Uranium Mines	Ambient radon concentration limits for each active underground uranium mine with a capacity > 10,000 tons per year or > 100,000 tons over its life		x	b							
C	National Emission Standard for Beryllium	Emission limits for facilities (other than machine shops) processing beryllium, beryllium ore, beryllium oxide, beryllium alloy (> 0.1% by weight), or beryllium-containing waste from any other facility subject to this standard, and for machine shops.		x	b							
D	National Emission Standard for Beryllium Rocket Motor Firing	Emission standards for facilities where beryllium-containing rocket motors are fired or beryllium-containing propellant is disposed		x	b							
E	National Emission Standard for Mercury	Emission standards for facilities that process mercury ore, incinerate or dry wastewater treatment plant sludge, or use mercury cells to produce chlorine gas or alkali metal hydroxide		x	b							
F	National Emission Standard for Vinyl Chloride	Emission standards for facilities producing vinyl chloride, ethylene dichloride (by reaction of oxygen, hydrogen chloride, and ethylene), or polymers containing polymerized vinyl chloride		x	b							
G	Reserved											
H	National Emission Standard for Emissions of Radionuclides Other Than Radon from Department of Energy Facilities	Ambient concentration limits for DOE facilities that emit any radionuclide other than radon		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.2 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 61 (NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS)**

Regulation/ Rule Citation (40 CFR 61 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
I	National Emission Standard for Radionuclide Emissions from Facilities Licensed by the Nuclear Regulatory Commission and Federal Facilities Not Covered by Subpart H	Ambient concentration limits for non-DOE facilities that emit any radionuclides.		x	b							
J	National Emission Standard for Equipment Leaks (Fugitive Emission Sources) of Benzene	Applicable to all equipment in benzene service (benzene content ³ 10% by weight), regardless of process unit size; requirements of subpart V incorporated for equipment at process units designed to produce or use at least 1,000 megagrams (1,100 tons)		x	b							
K	National Emission Standards for Radionuclide Emissions from Elemental Phosphorus Plants	Emission standards for calciners and kilns at facilities processing phosphate rock to produce elemental phosphorus		x	b							
L	National Emission Standard for Benzene Emissions from Coke By-Product Recovery Plants	Work practice and recordkeeping requirements for all benzene sources at by-product recovery plants		x	b							
M	National Emission Standard for Asbestos	Affects asbestos mills, asbestos-containing roadways, demolition & renovation, spraying of asbestos-containing (> 1%) materials, and other manufacture/fabrication processes utilizing commercial asbestos		x	b							
N	National Emission Standard for Inorganic Arsenic Emissions from Glass Manufacturing Plants	TPY arsenic emission limits for new and existing glass furnaces using commercial arsenic as a raw material		x	b							
O	National Emission Standard for Inorganic Arsenic Emissions from Primary Copper Smelters	Work practice requirements for copper converters at new and existing primary copper smelters		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.2 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 61 (NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS)**

Regulation/ Rule Citation (40 CFR 61 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
P	National Emission Standard for Inorganic Arsenic Emissions from Arsenic Trioxide and Metallic Arsenic Production Facilities	Work practice requirements for arsenic trioxide production plants and metallic arsenic production plants that process low-grade arsenic-bearing materials by a roasting condensation process		x	b							
Q	National Emission Standards for Radon Emissions from Department of Energy Facilities	Emission rate limit for storage and disposal facilities at specifically listed DOE facilities		x	b							
R	National Emission Standards for Radon Emissions from Phosphogypsum Stacks	Work practice requirements and monitoring requirements applicable to all phosphogypsum stacks and all uses and applications of phosphogypsum produced as a result of wet acid phosphorus production		x	b							
S	Reserved											
T	National Emission Standards for Radon Emissions from the Disposal of Uranium Mill Tailings	Emission limit for facilities listed in the Uranium Mill Tailings Control Act of 1978		x	b							
U	Reserved											
V	National Emission Standard for Equipment Leaks (Fugitive Emission Sources)	Work practice (LDAR) requirements for equipment subject to subparts F (vinyl chloride) or J (benzene)		x	b							
W	National Emission Standards for Radon Emissions from Operating Mill Tailings	Emission limits for active uranium mills		x	b							
X	Reserved											
Y	National Emission Standard for Benzene Emissions from Benzene Storage Vessels	Recordkeeping requirements for all benzene storage tanks, regardless of size; equipment standards and work practice requirements for tanks ³ 10,000 gallons (benzene content defined by ASTM D 836-84 for Industrial Grade Benzene)		x	b							
Z	Reserved											

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.2 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 61 (NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS)**

Regulation/ Rule Citation (40 CFR 61 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
AA	Reserved											
BB	National Emission Standard for Benzene Emissions from Benzene Transfer Operations	Recordkeeping requirements for all benzene loading racks (no percentage given); equipment standards for loading racks w/ benzene > 70% by weight		x	b							
CC	Reserved											
DD	Reserved											
EE	Reserved											
FF	National Emission Standard for Benzene Waste Operations	Applicable to chemical plants, petroleum refineries, coke by-product recovery plants, and haz waste treatment/storage/disposal facilities processing waste from these three types of facilities. Equipment standards for affected facilities with ^a 10 Mg		x	b							

¹Reason codes for non-applicability

- a Does not apply to individual sources
- b Does not apply to facilities of this type or specific equipment at this facility
- c Facility does not meet applicability criteria

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility- wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Da
A	General Provisions	Includes testing, monitoring, recordkeeping, reporting, and flare efficiency requirements for sources subject to other regulations under 40 CFR 63	*		*							
B	Requirements for Control Technology Determinations for Major Sources in Accordance with CAA Sections 112(g) and 112(j)	Requires case-by-case MACT determinations for major HAP sources undergoing construction, modification, or reconstruction (partially promulgated) and for major HAP sources for which EPA has missed a MACT promulgation deadline		x	b							
C	List of Hazardous Air Pollutants, Petitions Process, Lesser Quantity Designations, Source Category List											
D	Regulations Governing Compliance Extensions for Early Reductions of HAP	Sets guidelines by which facilities may postpone compliance with a MACT standard (up to six years) by voluntarily reducing HAP emissions before the applicable MACT standard is proposed		x	b							
E	Approval of State Programs and Delegation of Federal Authorities	Not directly applicable to facilities; sets rules by which state and local permitting authorities may modify or replace EPA-promulgated standards under section 112 of the CAA		x	a							
F	National Emission Standards for Organic Hazardous Air Pollutants from the SOCM	HON applicability criteria (facilities producing any of 112 listed chemicals), reporting and recordkeeping requirements, and VHAP emission limits and equipment standards for heat exchange systems and maintenance wastewater systems		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
G	NESHAP for SOCM Process Vents, Storage Vessels, Transfer Operations, and Wastewater	VHAP emission limits and equipment standards		x	b							
H	NESHAP for Equipment Leaks	Work practice (LDAR) requirements for HON and other standards (e.g., polymer & resins)		x	b							
I	NESHAP for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks	Requires that facilities in listed categories (e.g., synthetic rubber, pharmaceuticals, agricultural chemicals, and several polymer & resin categories) comply with 40 CFR 63 subpart H (LDAR)		x	b							
J	Reserved	(for addition to HON)										
K	Reserved	(for addition to HON)										
L	National Emission Standards for Coke Oven Batteries	Equipment standards and work practice requirements for both recovery and non-recovery coke oven batteries		x	b							
M	National Perchloroethylene Air Emission Standards for Dry Cleaning Facilities	Applicable to all dry cleaning facilities using perchloroethylene; equipment standards for facilities using ≥ 140 gallons per year		x	b							
N	National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks	Chromium emission limits for electroplating and chromium anodizing tanks.		x	b							
O	Ethylene Oxide Emission Standards for Sterilization Facilities	Emission limits for sterilization and fumigation facilities, not including those located at health facilities (e.g., hospitals)		x	b							
P	Reserved											
Q	NESHAP for Industrial Process Cooling Towers	Applicable to cooling towers utilizing chromium-based water treatment additives; prohibits the use of these additives		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			# Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	VOC emission limits for loading racks; equipment standards for storage vessels; work practice requirements (LDAR) for equipment leaks		x	b							
S	[Proposed] NESHAP for the Pulp and Paper Industry	Emission limits for non-combustion operations		x	b							
T	National Emission Standards for Halogenated Solvent Cleaning Operations	Equipment standards for cleaners that utilize ≥ 5% (total by weight) perchloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chloroform		x	b							
U	National Emission Standards for Hazardous Air Pollutant Emissions: Group I Polymers and Resins	The provisions of this subpart apply to existing or new elastomer product process units (EPPU) and their associated equipment.		x	b							
W	NESHAP for Epoxy Resins Production and Non-Nylon Polyamides Production	VHAP limits for storage tanks, process vents, equipment leaks, and ww systems for new and existing basic liquid resins (BLR) facilities and new wet strength resins (WSR) facilities; existing WSR facilities either control tanks, vents, and ww treatment		x	b							
X	National Emission Standards for Secondary Lead Smelters	Lead, VOC, HCl, and chlorine emission limits from smelting furnaces; equipment standards for other process emissions; work practice requirements for fugitive dust sources		x	b							
Y	National Emission Standards for Marine Vessel Loading and Unloading Operations	Large marine loading/unloading terminals must reduce emissions of VOCs using RACT. Major HAP sources must reduce emissions using MACT.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
Z	Reserved											
AA	National Emission Standards for Hazardous Air Pollutants From Phosphoric Acid Manufacturing Plants	The requirements of this subpart apply to emissions of hazardous air pollutants (HAPs) emitted from new or existing sources at a phosphoric acid manufacturing plant.		x	b							
BB	National Emission Standards for Hazardous Air Pollutants From Phosphate Fertilizers Production Plants	The requirements of this subpart apply to emissions of hazardous air pollutants (HAPs) emitted from new or existing affected sources at a phosphate fertilizers production plant.		x	b							
CC	National Emission Standards for Petroleum Refining	Emission limits for process vents and wastewater systems; equipment standards for storage vessels; work practice requirements (LDAR) for equipment leaks; marine vessel loading and unloading operations at refineries may be included upon promulgation		x	b							
DD	NESHAP for Off-Site Waste and Recovery Operations	The provisions of this subpart apply to the owner and operator of a plant site that is a major source of hazardous air pollutant (HAP) emissions as defined in 40 CFR 63.2 and is located one or more of operations that receives off-site materials and the operations is waste management operations or recovery operations.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
EE	National Emission Standards for Magnetic Tape Manufacturing Operations	Emission limits for magnetic tape coating operations, including associated storage and mix tanks, at major sources and at synthetic minor sources (those using MACT to limit PTE)		x	b							
FF	Reserved											
GG	National Emission Standards for Aerospace Manufacturing and Rework Facilities	Regulates cleaning operations, primers and topcoats, depainting, and chemical milling maskant operations at aerospace manufacturing and rework industry sources.		x	b							
HH	National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities	This subpart applies to the owners and operators of emission points that are located at oil and natural gas production facilities that are major sources of hazardous air pollutants (HAP) as defined in § 63.761 and that either process, upgrade, or store hydrocarbon liquids prior to the point of custody transfer or process, upgrade, or store natural gas prior to the point at which natural gas enters the natural gas transmission and storage source category or is delivered to a final end user.		x	b							
II	National Emission Standards for Shipbuilding and Ship Repair (Surface Coating)	VOHAP emission limits for coating operations and recommended work practices to minimize evaporative emissions and spills.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility- wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
JJ	National Emission Standards for Wood Furniture Manufacturing Operations	Includes air toxic emission limits and work practice standards applicable to wood manufacturing facilities, including cabinet shops and residential and industrial furniture makers.		x	b							
KK	[Proposed] National Emission Standards for the Printing and Publishing Industry	VHAP emission limits for rotogravure and wide-web flexographic printing operations		x	b							
LL	National Emission Standards for Hazardous Air Pollutants for Primary Aluminum Reduction Plants	The requirements of this subpart apply to the owner or operator of each new pitch storage tank and new or existing potline, paste production plant, or anode bake furnace associated with primary aluminum production and located at a major source.		x	b							
MM	National Emission Standards for Hazardous Air Pollutants for Chemical Recovery Combustion Sources at Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mills	The requirements of this subpart apply to the owner or operator of each kraft, soda, sulfite, or stand-alone semichemical pulp mill that is a major source of hazardous air pollutants (HAP) emissions		x	b							
OO	National Emission Standards for Tanks -- Level 1	The provisions of this subpart apply to the control of air emissions from tanks for which another subpart of 40 CFR parts 60, 61, or 63 references the use of this subpart for such air emission control. These air emission standards for tanks are placed here for administrative convenience and only apply to those owners and operators of facilities subject to the other subparts that reference this subpart.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			# Applicable						
			Yes	No	Reason code ¹	Facility- wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
PP	National Emission Standards for Containers	The provisions of this subpart apply to the control of air emissions from containers for which another subpart of 40 CFR parts 60, 61, or 63 references the use of this subpart for such air emission control. These air emission standards for containers are placed here for administrative convenience and only apply to those owners and operators of facilities subject to the other subparts that reference this subpart.		x	b							
QQ	National Emission Standards for Surface Impoundments	The provisions of this subpart apply to the control of air emissions from surface impoundments for which another subpart of 40 CFR parts 60, 61, or 63 references the use of this subpart for such air emission control. These air emission standards for surface impoundments are placed here for administrative convenience and only apply to those owners and operators of facilities subject to the other subparts that reference this subpart.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
RR	National Emission Standards for Individual Drain Systems	The provisions of this subpart apply to the control of air emissions from individual drain systems for which another subpart of 40 CFR parts 60, 61, or 63 references the use of this subpart for such air emission control. These air emission standards for individual drain systems are placed here for administrative convenience and only apply to those owners and operators of facilities subject to the other subparts that reference this subpart.		x	b							
SS	National Emission Standards for Closed Vent Systems, Control Devices, Recovery Devices and Routing to a Fuel Gas System or a Process	The provisions of this subpart include requirements for closed vent systems, control devices and routing of air emissions to a fuel gas system or process. These provisions apply when another subpart references the use of this subpart for such air emission control. These air emission standards are placed here for administrative convenience and only apply to those owners and operators of facilities subject to a referencing subpart.		x	b							
TT	National Emission Standards for Equipment Leaks -- Control Level 1	The provisions of this subpart apply to the control of air emissions from equipment leaks for which another subpart references the use of this subpart for such air emission control. These air emission standards for equipment leaks are placed here for administrative convenience and only apply to those owners and operators of facilities subject to the referencing subpart.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
UU	National Emission Standards for Equipment Leaks -- Control Level 2 Standards	The provisions of this subpart apply to the control of air emissions from equipment leaks for which another subpart references the use of this subpart for such air emission control. These air emission standards for equipment leaks are placed here for administrative convenience and only apply to those owners and operators of facilities subject to a referencing subpart.		x	b							
VV	National Emission Standards for Oil-Water Separators and Organic-Water Separators	The provisions of this subpart apply to the control of air emissions from oil-water separators and organic-water separators for which another subpart of 40 CFR parts 60, 61, or 63 references the use of this subpart for such air emission control. These air emission standards for oil-water separators and organic-water separators are placed here for administrative convenience and only apply to those owners and operators of facilities subject to the other subparts that reference this subpart.		x	b							
WW	National Emission Standards for Storage Vessels (Tanks) -- Control Level 2	The provisions of this subpart apply to the control of air emissions from storage vessels for which another subpart references the use of this subpart for such air emission control. These air emission standards for storage vessels are placed here for administrative convenience and only apply to those owners and operators of facilities subject to a referencing subpart.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
YY	National Emission Standards for Hazardous Air Pollutants for Source Categories: Generic Maximum Achievable Control Technology Standards	This subpart applies to Acetal Resins Production, Acrylic and Modacrylic Fibers Production, Hydrogen Fluoride Production, Polycarbonate Production and provides specific control, monitoring, recordkeeping, and reporting requirements.		x	b							
CCC	National Emission Standards for Hazardous Air Pollutants for Steel Pickling – HCl Process Facilities and Hydrochloric Acid Regeneration Plants	The provisions of this subpart apply to all new and existing steel pickling facilities that pickle carbon steel using hydrochloric acid solution that contains 6 percent or more by weight HCl and is at a temperature of 100 °F or higher; and all new and existing hydrochloric acid regeneration plants that are major sources for hazardous air pollutants (HAP) or are parts of facilities that are major sources for HAP.		x	b							
DDD	National Emission Standards for Hazardous Air Pollutants for Mineral Wool Production	This subpart establishes national emission standards for hazardous air pollutants emitted from existing, new, and reconstructed cupolas and curing ovens at facilities that produce mineral wool.		x	b							
EEE	National Emission Standards for Hazardous Air Pollutants From Hazardous Waste Combustors	The provisions of this subpart apply to all hazardous waste combustors: hazardous waste incinerators, hazardous waste burning cement kilns, and hazardous waste burning lightweight aggregate kilns.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility- wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
GGG	National Emission Standards for Pharmaceuticals Production	The affected source subject to this subpart consists of the pharmaceutical manufacturing operations that (i) Manufacture a pharmaceutical product as defined in § 63.1251;(ii) Are located at a plant site that is a major source as defined in section 112(a) of the Act; and (iii) Process, use, or produce HAP.		x	b							
HHH	National Emission Standards for Hazardous Air Pollutants From Natural Gas Transmission and Storage Facilities	This subpart applies to owners and operators of natural gas transmission and storage facilities that transport or store natural gas prior to entering the pipeline to a local distribution company or to a final end user (if there is no local distribution company), and that are major sources of hazardous air pollutants (HAP) emissions.		x	b							
III	National Emission Standards for Hazardous Air Pollutants for Flexible Polyurethane Foam Production	The provisions of this subpart apply to each new and existing flexible polyurethane foam or rebond foam process that: (1) Produces flexible polyurethane or rebond foam; (2) Emits a HAP; and (3) Is located at a plant site that is a major source.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
JJJ	National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins	The provisions of this subpart apply to each group of one or more thermoplastic product process units (TPPU) and associated equipment at a site without HAP emission points before March 29, 1995 (i.e., a "greenfield" site), each group of one or more TPPU and associated equipment, that is manufacturing the same primary product and that is part of a major source on which construction commenced after March 29, 1995.		x	b							
LLL	National Emission Standards for Hazardous Air Pollutants From the Portland Cement Manufacturing Industry	The provisions of this subpart apply to each new and existing portland cement plant which is a major source or an area source		x	b							
MMM	National Emission Standards for Hazardous Air Pollutants for Pesticide Active Ingredient Production	This subpart applies to the facility-wide collection of pesticide active ingredient manufacturing process units (PAI process units) that process, use, or produce HAP, and are located at a plant site that is a major source, including waste management units, heat exchange systems, and cooling towers that are associated with the PAI process units.		x	b							
NNN	National Emission Standards for Hazardous Air Pollutants for Wool Fiberglass Manufacturing	The requirements of this subpart apply to the owner or operator of each wool fiberglass manufacturing facility that is a major source or is located at a facility that is a major source.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
OOO	National Emission Standards for Hazardous Air Pollutant Emissions: Manufacture of Amino/Phenolic Resins	The provisions of this subpart apply to the owner or operator of processes that produce amino/phenolic resins and that are located at a plant site that is a major source.		x	b							
PPP	National Emission Standards for Hazardous Air Pollutant Emissions for Polyether Polyols Production	The provisions of this subpart apply to the group of one or more polyether polyol manufacturing process units (PMPUs) and associated equipment and that is located at a plant site that is a major source.		x	b							
RRR	National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production	The requirements of this subpart apply to the owner or operator of each secondary aluminum production facility		x	b							
TTT	National Emission Standards for Hazardous Air Pollutants for Primary Lead Smelting	The provisions of this subpart apply to the following affected sources at primary lead smelters: sinter machine, blast furnace, dross furnace, process fugitive sources, and fugitive dust sources. The provisions of this subpart do not apply to secondary lead smelters, lead refiners, or lead remelters.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
VVV	National Emission Standards for Hazardous Air Pollutants: Publicly Owned Treatment Works	The provisions of this subpart apply to owners or operators of a publicly owned treatment works (POTW) that is located at a major source of hazardous air pollutant (HAP) emissions; and is required to develop and implement a pretreatment program as defined by 40 CFR 403.8 (for a POTW owned or operated by a municipality, state, or intermunicipal or interstate agency), or would meet the general criteria for development and implementation of a pretreatment program (for a POTW owned or operated by a department, agency, or instrumentality of the Federal government).		x	b							
XXX	National Emission Standards for Hazardous Air Pollutants for Ferroalloys Production: Ferromanganese and Silicomanganese	This subpart applies to all new and existing ferromanganese and silicomanganese production facilities that manufacture ferromanganese or silicomanganese and are major sources or are co-located at major sources of hazardous air pollutant emissions.		x	b							
CCCC	National Emission Standards for Hazardous Air Pollutants: Manufacturing of Nutritional Yeast	This subpart establishes national emission limitations for hazardous air pollutants emitted from manufacturers of nutritional yeast. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations.		x	b							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility- wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
GGGG	National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production	This subpart establishes national emission standards for hazardous air pollutants (NESHAP) for emissions during vegetable oil production. This subpart limits hazardous air pollutant (HAP) emissions from specified vegetable oil production processes. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission standards.		x	b							
TTTT	National Emission Standards for Hazardous Air Pollutants for Leather Finishing Operations	This subpart establishes national emission standards for hazardous air pollutants (NESHAP) for leather finishing operations. These standards limit HAP emissions from specified leather finishing operations. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission standards.		x	b							
VVVV	National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing	This subpart establishes national emission standards for hazardous air pollutants (HAP) for new and existing boat manufacturing facilities with resin and gel coat operations, carpet and fabric adhesive operations, or aluminum recreational boat surface coating operations. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission standards.		x	b							
YYYY	[Scheduled] Stationary Turbines			x	b							5/15/02
ZZZZ	[Scheduled] Stationary Internal Combustion Engines			x	b							5/15/02

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.3 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 63 (NATIONAL EMISSION STANDARDS FOR HAPS FOR SOURCE CATEGORIES)**

Regulation/ Rule Citation (40 CFR 63 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility- wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
DDDDD	[Scheduled] Process Heaters			x	b							5/15/02

Reason codes for non-applicability

- 1 Does not apply to individual sources
- Does not apply to facilities of this type or specific equipment at this facility
- Facility does not meet applicability criteria

Reason codes for applicability

Rule is scheduled for promulgation on 11/15/00. If promulgated, equipment at the facility is potentially applicable.

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.4 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 64 (COMPLIANCE ASSURANCE MONITORING FOR MAJOR STATIONARY SOURCES)**

Regulation/ Rule itation (40 CFR 64 Section)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility- wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
64.1	Definitions	Defines terms		x	a							
64.2(a)	Applicability	The requirements of this part apply to a pollutant specific emission unit at a major source that is required to obtain a Part 70 or Part 71 permit if the unit satisfies all of the following criteria:		x	b							
64.2(a)(1)	Applicability	The unit is subject to an emission limitation or standard for the applicable regulated pollutant (or surrogate thereof), other than an emission limitation that is exempt under paragraph (b)(1) of this section;		x	b							
64.2(a)(2)	Applicability	The unit uses a control device to achieve compliance with any such limitation or standard; and		x	b							
64.2(a)(3)	Applicability	The unit has potential pre-control device emissions of the applicable regulated air pollutant that are greater than or equal to 100 percent of the major source threshold.		x	b							
64.2(b)	Exemptions	Lists exemptions	+		+		RECLAIM Permit	Reformer SCR				
64.2(b)(1)	Exempt emission limitations or standards	Limitations or standards that are not subject to Part 64		x	x							
64.2(b)(1)(i)	Exempt emission limitations or standards	Emission limitations or standards proposed by the Administrator after November 15, 1990 pursuant to Section 111 or 112 of the Act		x	x							
64.2(b)(1)(ii)	Exempt emission limitations or standards	Stratospheric ozone protection requirements under Title VI of the Act		x	x							
64.2(b)(1)(iii)	Exempt emission limitations or standards	Acid Rain Program requirements pursuant to Sections 404, 405, 406, 407(a), 407(b), or 410 of the Act.		x	x							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.4 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 64 (COMPLIANCE ASSURANCE MONITORING FOR MAJOR STATIONARY SOURCES)**

Regulation/ Rule Citation (40 CFR 64 Section)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
64.2(b)(1)(iv)	Exempt emission limitations or standards	Emission limitations or standards or other applicable requirements that apply solely under an emissions trading program approved or promulgated by the Administrator under the Act that allows for trading emissions within a source or between sources.	+		+		RECLAIM Permit	Reformer SCR				
64.2(b)(1)(v)	Exempt emission limitations or standards	An emissions cap that meets the requirements specified in 70.4(b)(12) or 71.6(a)(13)(iii) of this chapter	+		+		RECLAIM Permit	Reformer SCR				
64.2(b)(1)(vi)	Exempt emission limitations or standards	Emission limitations or standards for which a Part 70 or 71 permit specifies a continuous compliance determination method.	+		+		RECLAIM Permit	Reformer SCR				
64.2(b)(2)	Exemption for backup utility power emissions units	Exempts municipally owned backup utility power unit that is exempt from Part 75 monitoring requirements with actual emissions below 50% of the major source threshold.		x	b							
64.3	Monitoring design criteria	Outlines general criteria, performance criteria, and evaluation factors for a compliance assurance monitoring plan.		x	b							
64.4	Submittal requirements	Outlines submittal requirements for a compliance assurance monitoring plan.		x	b							
64.5	Deadlines for submittals	Specifies deadlines for compliance assurance monitoring plan submittal.		x	b							
64.6	Approval of monitoring	Establishes requirements for permitting authority approval of compliance assurance monitoring plan.		x	c							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.4 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 64 (COMPLIANCE ASSURANCE MONITORING FOR MAJOR STATIONARY SOURCES)**

Regulation/ Rule Citation (40 CFR 64 Section)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
64.7	Operation of approved monitoring	Specifies requirements for commencement, operation, maintenance, response to excursions, and documentation of the need for improvements to compliance assurance monitoring.		x	b							
64.8	Quality improvement plan requirements	Specifies requirements for a quality improvement plan		x	b							
64.9	Reporting and recordkeeping requirements	Specifies reporting and recordkeeping requirements		x	b							
64.10	Savings provisions	Prohibits violation of applicable requirements and states that Part 64 does not restrict the authority of the Administrator to impose additional requirements or to take enforcement action.		x	b							

Reason codes for non-applicability

Does not convey any requirements

The facility is not in the applicable source category.

This section applies only to the regulatory agency.

This section of the regulation conveys an exemption which applies to the facility

Reason codes for applicability

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.5 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 68 (CHEMICAL ACCIDENT PREVENTION PROVISIONS)**

Regulation/ Rule Citation (40 CFR 68 Section)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
68.3	Definitions	A process that has a regulated substance present in more than a threshold quantity as determined at 68.115 is a covered process		x	a							
68.115(a)	Threshold Determination	Threshold quantities listed in Table 1 to 68.130	x		SPEC			Hydrogen production plant	10,000 lb hydrogen			
68.115(b)(1)	Threshold Determination - toxic mixture	Less than 1% or partial pressure less than 10 mm Hg exempt.	+		+							
68.115(b)(2)	Threshold Determination - flammable mixture	Concentration less than 1%, flash point above 73 F, boiling point above 100 F exempt.	+		+							
68.115(b)(3)	Threshold Determination - explosive mixture	Division 1.1 explosives (40 CFR Parts 172 and 173) to be included unless they are intended to be used in a non-accidental release in a manner consistent with BATF regulations.	+		+							
68.115(b)(4)	Threshold Determination	Regulated substances contained in articles are exempt	+		+							
68.115(b)(5)(i)	Threshold Determination	Regulated substances used as a structural component of a stationary source exempt.	+		+							
68.115(b)(5)(ii)	Threshold Determination	Janitorial supplies are exempt.	+		+							
68.115(b)(5)(iii)	Threshold Determination	Personal items used by employees are exempt	+		+							
68.115(b)(5)(iv)	Threshold Determination	Regulated substances in cooling water or process water drawn from the environment and air used in combustion are exempt.	+		+							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.5 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 68 (CHEMICAL ACCIDENT PREVENTION PROVISIONS)**

Regulation/ Rule Citation (40 CFR 68 Section)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility- wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
68.115(b)(6)	Threshold Determination	Substances used in a laboratory are exempt except for specialty chemical production and pilot plant activities.	+		+							

Reason codes for non-applicability

Does not convey any requirements

This section of the regulation conveys an exemption which may apply to the facility

Reason codes for applicability

¹EC - This rule applies to specific equipment at the facility.

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.6 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 82 (PROTECTION OF STRATOSPHERIC OZONE)**

Regulation/ Rule Citation (40 CFR 82 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility- wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
A	Production and Consumption Controls	Limits and requirements for persons that produce, transform, destroy, import, or export any of the listed substances (including CFC's, HBFC's, HCFC's, halons, carbon tetrachloride, methyl chloroform, and methyl bromide) in any form		x	b							
B	Servicing of Motor Vehicle Air Conditioners	Equipment standards and work practice requirements for persons that perform service on motor vehicles for consideration where the service involves the refrigerant in the motor vehicle air conditioner		x	b							
C	Ban on Nonessential Products Containing Class I Substances and Ban on Nonessential Products Containing or Manufactured with Class II Substances	Prohibition on sale and/or distribution of listed products that contain or are manufactured using substances listed at 40 CFR 82 subpart A		x	b							
D	Federal Procurement	Requires that federal departments, agencies, and instrumentalities adopt procurement regulations that conform to the policies and requirements of title VI of the Clean Air Act as amended and which maximize substitution of alternatives to substances listed		x	a							

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

**TABLE A-1.6 REGULATORY APPLICABILITY DETERMINATIONS:
40 CFR 82 (PROTECTION OF STRATOSPHERIC OZONE)**

Regulation/ Rule Citation (40 CFR 82 Subpart)	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable						
			Yes	No	Reason code ¹	Facility-wide	Permit #	Applicable Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR)	Test Methods	Future Effective Date
E	The Labeling of Products Using Ozone-Depleting Substances	Product and container labeling requirements applicable to persons that manufacture, import, export, sell, or distribute products that contain or are manufactured using substances listed at 40 CFR 82 subpart A		x	b							
F	Recycling and Emissions Reduction	Equipment standards and certification, work practice, recordkeeping, and reporting requirements for persons that service, maintain, repair, or dispose of any device that contains as a refrigerant any of the substances listed at 40 CFR 82 subpart A	x		SPEC			Equipment containing refrigerant	All	Must use certified technician to service equipment containing refrigerant. No facility records required.	40 CFR Part 82, Appendix B	
G	Significant New Alternatives Policy Program	Requirements for manufacturers and users of substitutes for ozone-depleting substances listed at 40 CFR 82 subpart A		x	b							

Reason codes for non-applicability

› Does not apply to facilities of this type or specific equipment at this facility

Reason codes for applicability

›SPEC - This rule applies to specific equipment at the facility.

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

Regulation/ Rule Citation	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			# Applicable							SIP Approval Status Code ²
			Yes	No	Reason Code ¹	Facility - wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR) ³	Test Methods ³	Future Effective Date	
REGULATION I GENERAL PROVISIONS													
Rule 101	Title		x		AD	x							APP
Rule 102	Definition of Terms		x		AD	x							APP
Rule 103	Definition of Geographical Areas		x		AD	x							APP
Rule 104	Reporting of Source Test Data and Analyses		x		AD	x							APP
Rule 105	Authority to Arrest		x		AD	x							APP
Rule 106	Increments of Progress	Describes acceptable progress toward compliance.	x		AD	x							APP
Rule 107	<i>rescinded</i>												RESC
Rule 108	Alternative Emission Control Plans		x		AD								APP
Rule 109	Recordkeeping for Volatile Organic Compound Emissions		x		All					109(c)(1)			APP
Rule 110	Rule Adoption Procedures to Assure Protection and Enhancement of the Environment			x	g								NO
Rule 118	Emergencies		x		AD	x							NO
REGULATION II PERMITS													
Rule 201	Permit to Construct		x		GEN	x							APP
Rule 201.1	Permit Conditions in Federally Issued Permits to Construct		x		GEN	x							NO
Rule 202	Temporary Permit to Operate		x		GEN	x							APP
Rule 203	Permit to Operate		x		GEN	x							APP
Rule 203.1	<i>rescinded</i>												NO
Rule 203.2	<i>rescinded</i>												NO
Rule 204	Permit Conditions		x		GEN	x							APP

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

Regulation/ Rule Citation	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable							SIP Approval Status Code ²
			Yes	No	Reason Code ¹	Facility - wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR) ³	Test Methods ³	Future Effective Date	
Rule 204.1	<i>rescinded</i>												NO
Rule 205	Expiration of Permits to Construct	Refers to time limit on permit applications.	x		AD								APP
Rule 206	Posting of Permit to Operate	Explains how and when permits are to be displayed	x		SPEC	x	All permitted equipment			Must post permit to operate			APP
Rule 207	Altering or Falsifying of Permit		x		GEN	x							APP
Rule 208	Permit for Open Burning		x		GEN	x							NO
Rule 209	Transfer and Voiding of Permits		x		GEN	x							APP
Rule 210	Applications	Covers applications for permits under Rules 201, 203 and 208	x		GEN	x							APP
Rule 211	<i>rescinded</i>												RESC
Rule 212	Standards for Approving Permits		x		AD	x							APP
Rule 213	<i>rescinded</i>												RESC
Rule 213 .1	<i>rescinded</i>												RESC
Rule 213 .2	<i>rescinded</i>												RESC
Rule 213.3	<i>rescinded</i>												NO
Rule 214	Denial of Permits		x		AD	x							APP
Rule 215	Permits Deemed Denied		x		AD	x							APP
Rule 216	Appeals		x		AD	x							APP
Rule 217	Provision for Sampling and Testing Facilities	Adequate stack sampling and testing facilities must be installed when required by SCAQMD	x		SPEC		RECLAIM Permit	Reformer Exhaust		None			APP
Rule 218	Stack Monitoring			x	h								APP
Rule 219	Equipment Not Requiring a Written Permit Pursuant to Reg. II		x		AD	x		Various					APP

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

Regulation/ Rule Citation	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable							SIP Approval Status Code ²
			Yes	No	Reason Code ¹	Facility - wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR) ³	Test Methods ³	Future Effective Date	
Rule 220	Exemption - Net Increase in Emissions		x		AD	x							APP
Rule 221	Plans		x		GEN	x							APP
REGULATION III FEES													
Rule 301	Permit Fees		x		AD	x							APP
Rule 301.1	<i>rescinded</i>												RESC
Rule 301.2	<i>rescinded</i>												RESC
Rule 302	Fees for Publication		x		AD	x							APP
Rule 303	Hearing Board Fees		x		AD	x							APP
Rule 304	Equipment, Materials, and Ambient Air Analyses		x		AD	x							APP
Rule 304.1	Analyses Fees		x		AD	x							NO
Rule 305	Fees for Acid Deposition Research			x	a								NO
Rule 306	Plan Fees		x		AD	x							NO
Rule 307	Fees For Air Toxics Emissions Inventory		x		AD	x							NO
Rule 307.1	Alternate Fees for Air Toxics Emissions Inventory		x		AD	x							NO
Rule 308	Transportation Plan Fees		x		AD	x							NO
Rule 309	Fees for Regulation XVI Plans		x		AD	x							NO
Rule 310	<i>rescinded</i>												RESC
Rule 311	Air Quality Investment Program (AQIP) Fees		x		AD	x							NO
REGULATION IV PROHIBITIONS													
Rule 401	Visible Emissions	Prohibits visible emissions darker than Ringlemann No. 1	x		ALL	x	RECLAIM Permit	Reformer, Flare, Portable IC Engine (welding unit)		GAP	GAP		APP
Rule 402	Nuisance	Prohibits emission of air contaminants which cause a nuisance	x		ALL	x	RECLAIM Permit	ALL		None	None		NO

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

Regulation/ Rule Citation	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable							
			Yes	No	Reason Code ¹	Facility - wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR) ³	Test Methods ³	Future Effective Date	SIP Approval Status Code ²
Rule 403	Fugitive Dust Pertains to solid particulate matter emitted from manmade activities.	Prohibits emission of excess fugitive dust emissions (visible beyond the property line or increase of > 50ug/m ³)	x		ALL	x	RECLAIM Permit	ALL		None	None		APP
Rule 403.1	Wind Entrainment of Fugitive Dust	Applies to sources located in the Coachella Valley		x	f								NO
Rule 404	Particulate Matter Concentration	Limits emission of particulate matter (concentration).	x		ALL	x	RECLAIM Permit	Reformer, Flare, Portable IC Engine for welding unit	All	Annual Emissions Report	None		APP
Rule 405	Solid Particulate Matter Weight	Limits emission of particulate matter (mass emission).	x		ALL	x	RECLAIM Permit	Reformer, Flare, Portable IC Engine for welding unit	All	Annual Emissions Report	None		APP
Rule 407	Liquid and Gaseous Air Contaminants	Limits emission of CO (< 2000 ppm) and SO ₂ (< 500 ppm)	x		ALL	x	RECLAIM Permit	Reformer, Flare, Portable IC Engine for welding unit	All	Reformer - Rule 1146 MRR	see MRR		APP
Rule 408	Circumvention	Prohibits concealing emissions that would constitute a violation.	x		ALL	x		ALL		None	None		APP
Rule 409	Combustion Contaminants	Limits emission of particulate matter (< 0.1 gr/lb ³)	x		SPEC		RECLAIM Permit	Reformer, Flare	All	Annual Emissions Report	None		APP
Rule 429	Start Up and Shutdown Exemption Provisions for Oxides of Nitrogen	Provides exemption from Rule 1146 during startup and shutdown		x	h								NO
Rule 430	Breakdown Provisions	Provides protection from enforcement of SCAQMD regs during breakdown.	x		SPEC			ALL	All	430(b)	None		NO

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

Regulation/ Rule Citation	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable							SIP Approval Status Code ²
			Yes	No	Reason Code ¹	Facility - wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR) ³	Test Methods ³	Future Effective Date	
Rule 431	<i>repealed</i>												DEL
Rule 431.1	Sulfur Content of Gaseous Fuels		x		SPEC		RECLAIM Permit	Reformer	All	None	None		APP
Rule 431.2	Sulfur Content of Liquid Fuels	Limits sulfur content of liquid fuels (generally, <0.05%)	x		SPEC		RECLAIM Permit	Portable IC Engine for welding unit	All	431.2(f)(2)	None		APP
Rule 431.3	Sulfur Content of Fossil Fuels	Solid fossil fuels only		x	c								APP
Rule 432	Gasoline Specifications			x	d								APP
Rule 441	Research Operations			x	d								NO
Rule 442	Usage of Solvents	Limits or requires control of VOC emissions from solvent usage.		x	h								APP
Rule 443	Labeling of Solvents			x	d								APP
Rule 443.1	Labeling of Materials Containing Organic Solvents			x	d								NO
Rule 444	Open Fires			x	b								APP
Rule 461	Gasoline Transfer and Dispensing			x	d								APP
Rule 462	Organic Liquid Loading			x	d								APP
Rule 463	Storage of Organic Liquids			x	b								APP
Rule 464	Wastewater Separators			x	b								APP
Rule 465	Vacuum Producing Devices or Systems			x	b								APP
Rule 466	Pumps and Compressors			x	h								APP
Rule 466.1	Valves and Flanges			x	h								APP
Rule 467	Pressure Relief Devices			x	b								APP
Rule 468	Sulfur Recovery Units			x	d								APP
Rule 469	Sulfuric Acid Units			x	a								APP
Rule 470	Asphalt Air Blowing			x	d								APP
Rule 471	<i>rescinded</i>												DEL
Rule 472	Reduction of Animal Matter			x	d								APP
Rule 473	Disposal of Solid and Liquid Wastes			x	d								NO

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

Regulation/ Rule Citation	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable							
			Yes	No	Reason Code ¹	Facility - wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR) ³	Test Methods ³	Future Effective Date	SIP Approval Status Code ²
Rule 474	Fuel Burning Equipment Oxides Of Nitrogen			x	h								APP
Rule 475	Electric Power Generating Equipment			x	a								APP
Rule 475.1	<i>rescinded</i>												NO
Rule 476	Steam Generating Equipment			x	h								APP
Rule 477	Coke Ovens			x	a								NO
Rule 480	Natural Gas Fired Control Devices			x	b								NO
Rule 481	Spray Coating Operations			x	d								APP
ADDENDUM TO REGULATION IV													
Rule 53	Sulfur Compounds Concentration Los Angeles County	Limits sulfur compound emissions to 0.2% by volume	x		ALL	x	RECLAIM Permit	Reformer, Flare, Portable IC Engine for welding unit	All	see Rule 431.1	see Rule 431.1		NO
Rule 53	Sulfur Compounds Concentration Orange County			x	f								NO
Rule 53	Sulfur Compounds Concentration Riverside County			x	f								NO
Rule 53	Specific Air Contaminants San Bernardino County			x	f								NO
Rule 53A	Specific Contaminants San Bernardino County			x	f								NO
REGULATION V PROCEDURE BEFORE THE HEARING BOARD													
Rule 501	General		x		AD	x							APP
Rule 501.1	Assistance to Small Business			x	b								APP
Rule 502	Filing Petitions		x		AD	x							APP
Rule 503	Petitions for Variances and Appeals		x		AD	x							APP
Rule 503.1	Ex Parte Petitions for Variances		x		AD	x							NO

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

			Applicability			If Applicable								
Regulation/ Rule Citation	Regulation/ Rule Name	Regulation/ Rule Description	Yes	No	Reason Code ¹	Facility - wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR) ²	Test Methods ³	Future Effective Date	SIP Approval Status Code ²	
Rule 504	Rules From Which Variances Are Not Allowed		x		AD	x							APP	
Rule 505	Lack of Permit		x		AD	x							APP	
Rule 506	Failure to Comply With Rules		x		AD	x							APP	
Rule 507	Pleadings		x		AD	x							APP	
Rule 508	Dismissal of Petition		x		AD	x							APP	
Rule 509	Place of Hearing			x	g								APP	
Rule 510	Notice of Hearing			x	g								APP	
Rule 511	Evidence		x		AD	x							APP	
Rule 511.1	Subpoenas		x		AD	x							NO	
Rule 512	Preliminary Matters		x		AD	x							APP	
Rule 512.1	Prehearing Conference		x		AD	x							NO	
Rule 513	Administrative Notice			x	g								APP	
Rule 514	Continuances		x		AD	x							APP	
Rule 515	Findings and Decision		x		AD	x							APP	
Rule 516	Effective Date of Decision		x		AD	x							APP	
Rule 517	Emergency Variance Procedures Breakdowns		x		AD	x							APP	
Rule 518	Hearing Board Procedures for Title V Facilities		x		AD	x							APP	
Rule 518.1	Permit Appeal Procedures for Title V Facilities		x		AD	x							NO	
Rule 518.2	Federal Alternative Operating Conditions		x		AD	x							NO	
REGULATION VII EMERGENCIES														
Rule 701	Air Pollution Contingency Actions		x		ALL								APP	
Rule 702	rescinded												RESC	
Rule 703	rescinded												RESC	
Rule 704	rescinded												RESC	
Rule 705	rescinded												RESC	
Rule 706	rescinded												RESC	
Rule 707	rescinded												RESC	

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

			Applicability			# Applicable							
Regulation/ Rule Citation	Regulation/ Rule Name	Regulation/ Rule Description	Yes	No	Reason Code ¹	Facility - wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR) ³	Test Methods ³	Future Effective Date	SIP Approval Status Code ²
Rule 708	rescinded												RESC
Rule 708.1	rescinded												RESC
Rule 708.2	rescinded												RESC
Rule 708.3	rescinded												RESC
Rule 708.4	rescinded												RESC
Rule 709	rescinded												RESC
Rule 710	rescinded												RESC
Rule 711	rescinded												RESC
Rule 712	rescinded												NO
Rule 713	rescinded												RESC
Rule 714	rescinded												RESC
Rule 715	rescinded												RESC
REGULATION VIII ORDERS FOR ABATEMENT													
Rule 801	General	Sets forth procedural requirements to be followed before the Hearing Board by all concerned parties in matters involving abatement orders.	x		AD	x							APP
Rule 802	Order for Abatement		x		AD	x							APP
Rule 803	Filing Petitions Rule		x		AD	x							APP
Rule 804	Content of Petition		x		AD	x							APP
Rule 805	Scope of Order		x		AD	x							APP
Rule 806	Findings		x		AD	x							APP
Rule 807	Pleadings		x		AD	x							APP
Rule 808	Evidence		x		AD	x							APP
Rule 809	Failure to Comply With Rules		x		AD	x							APP
Rule 810	Dismissal of Petition		x		AD	x							APP
Rule 811	Place of Hearing		x		AD	x							APP
Rule 812	Notice of Hearing		x		AD	x							APP
Rule 813	Preliminary Matters		x		AD	x							APP
Rule 814	Official Notice		x		AD	x							APP

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

Regulation/ Rule Citation	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable							SIP Approval Status Code ²
			Yes	No	Reason Code ¹	Facility - wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR) ³	Test Methods ³	Future Effective Date	
Rule 815	Continuance		x		AD	x							APP
Rule 816	Order and Decision		x		AD	x							APP
Rule 817	Effective Date of Decision		x		AD	x							APP
REGULATION IX STANDARDS OF PERFORMANCE FOR NEW STATIONARY SOURCES (NSPS)													
Regulation IX cites the requirements outlined in 40 CFR Part 60. See Table 1.1 for Part 60.													
REGULATION X NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAPS)													
Regulation X cites the requirements outlined in 40 CFR Part 61. See Table 1.2 for Part 61.													
REGULATION XI SOURCE SPECIFIC STANDARDS													
Rule 1101	Secondary Lead Smelters/Sulfur Oxides			x	b								APP
Rule 1102	Petroleum Solvent Dry Cleaners			x	b								APP
Rule 1102.1	repealed												RESC
Rule 1103	Pharmaceuticals and Cosmetics Manufacturing Operations			x	b								APP
Rule 1104	Wood Flat Stock Coating Operations			x	d								APP
Rule 1105	Fluid Catalytic Cracking Units Oxides of Sulfur			x	b								APP
Rule 1106	Marine Coating Operations			x	d								APP
Rule 1106.1	Pleasure Craft Coating Operations			x	d								APP
Rule 1107	Coating of Metal Parts and Products			x	d								APP
Rule 1108	Cutback Asphalt			x	d								APP
Rule 1108.1	Emulsified Asphalt			x	d								APP
Rule 1109	Emissions of Oxides of Nitrogen from Boilers and Process Heaters in Petroleum Refineries			x	b								NO
Rule 1110	repealed												RESC

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

Regulation/ Rule Citation	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable							
			Yes	No	Reason Code ¹	Facility - wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR) ³	Test Methods ³	Future Effective Date	SIP Approval Status Code ²
Rule 1110.1	Emissions from Stationary Internal Combustion Engines			x	b								NO
Rule 1110.2	Emissions from Gaseous and Liquid Fueled Internal Combustion Engines			x	b								NO
Rule 1111	NOx Emissions from Natural Gas Fired, Fan Type Central Furnaces			x	a								APP
Rule 1112	Emissions of Oxides of Nitrogen from Cement Kilns			x	a								APP
Rule 1112.1	Emissions of Particulate Matter from Cement Kilns			x	a								NO
Rule 1113	Architectural Coatings	Limits VOC content of architectural coatings.	x		ALL	x		Architectural coatings		Quantity and VOC content	1113(e)		DIS
Rule 1115	Motor Vehicle Assembly Line Coating Operations			x	d								APP
Rule 1116.1	Lightering Vessel Operations Sulfur Content of Bunker Fuel			x	d								NO
Rule 1117	Emissions of Oxides of Nitrogen from Glass Melting Furnaces			x	a								APP
Rule 1118	Emissions from refinery flares	Purpose of rule is to gather data on flares to determine the need for emission controls.	x		SPEC		RECLAIM Permit	Flare					NO
Rule 1119	Petroleum Coke Calcining Operations Oxides of Sulfur			x	d								APP
Rule 1120	Asphalt Pavement Heaters			x	a								APP
Rule 1121	Control of Nitrogen Oxides from Residential Type, Natural Gas Fired Water Heaters	Manufacturer must certify water heaters or they must emit < 40ng/J NOx		x	b								APP

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

Regulation/ Rule Citation	Regulation/ Rule Name	Regulation/ Rule Description	Applicability			If Applicable							
			Yes	No	Reason Code ¹	Facility - wide	Permit #	Device Type	Applicable Size	Monitoring, Recordkeeping & Reporting (MRR) ³	Test Methods ³	Future Effective Date	SIP Approval Status Code ²
Rule 1122	Solvent Degreasers	Regulation minimizes VOC emissions from solvent degreasers		x	b								APP
Rule 1123	Refinery Process Turnarounds			x	b								APP
Rule 1124	Aerospace Assembly and Component Manufacturing Operations			x	d								APP
Rule 1125	Metal Container, Closure, and Coil Coating Operations			x	d								APP
Rule 1126	Magnet Wire Coating Operations			x	d								APP
Rule 1128	Paper, Fabric and Film Coating Operations			x	d								APP
Rule 1129	<i>rescinded</i>												NO
Rule 1130	Graphic Arts			x	d								APP
Rule 1130.1	Screen Printing Operations			x	d								NO
Rule 1134	Emissions of Oxides of Nitrogen from Stationary Gas Turbines			x	b								NO
Rule 1135	Emissions of Oxides of Nitrogen From Electric Power Generating Systems			x	b								NO
Rule 1135.1	<i>rescinded</i>												NO
Rule 1136	Wood Products Coatings			x	a								APP
Rule 1138	Control of Emissions from Restaurant Operators			x	b								NO
Rule 1140	Abrasive Blasting		x		SPEC			Abrasive Blasting	ALL	GAP	1140(d) 1140(e)		APP
Rule 1141	Control of Volatile Organic Compound Emissions from Resin Manufacturing			x	b								APP

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

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Rule 1141.1	Coatings and Ink Manufacturing			x	b								APP
Rule 1141.2	Surfactant Manufacturing			x	b								APP
Rule 1142	Marine Tank Vessel Operations			x	d								APP
Rule 1145	Plastic, Rubber and Glass Coatings			x	d								APP
Rule 1146	Emissions of Oxides of Nitrogen from Industrial, Institutional and Commercial Boilers, Steam Generators, and Process Heaters		x		SPEC		RECLAIM Permit	Reformer	> 5 mmbtu/hr	1146(c)(5) Periodic monitoring requirements for CO is satisfied by annual source testing required by RECLAIM condition 182-1	1146(d), GAP		APP
Rule 1146.1	Emissions of Oxides of Nitrogen from Small Industrial, Institutional, and Commercial Boilers, Steam Generators, and Process Heaters			x	b								APP
Rule 1148	Thermally Enhanced Oil Recovery Wells			x	a								APP
Rule 1149	Storage Tank Degassing			x	a								NO
Rule 1150	Excavation of Landfill Sites			x	d								NO
Rule 1150.1	Control of Gaseous Emissions from Active Landfills			x	b								NO
Rule 1150.2	Control of Gaseous Emissions from Inactive Landfills			x	b								NO
Rule 1151	Motor Vehicle and Mobile Equipment Non Assembly Line Coating Operations			x	d								APP

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
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Rule 1153	Commercial Bakery Ovens			x	b								APP
Rule 1158	Storage, Handling and Transport of Petroleum Coke			x	d								APP
Rule 1159	Nitric Acid Units Oxides of Nitrogen			x	b								APP
Rule 1162	Polyester Resin Operations			x	d								APP
Rule 1163	Control of Vinyl Chloride Emissions			x	e								NO
Rule 1164	Semiconductor Manufacturing			x	b								APP
Rule 1166	Volatile Organic Compound Emissions from Decontamination of Soil			x	d								NO
Rule 1167	<i>rescinded</i>												NO
Rule 1168	Control of Volatile Organic Compound Emissions from Adhesive Application			x	d								NO
Rule 1169	Hexavalent Chromium Chrome Plating and Chromic Acid Anodizing			x	d								NO
Rule 1170	Methanol Compatible Fuel Storage and Transfer			x	d								NO
Rule 1171	Solvent Cleaning Operations	Limits VOC emissions from solvent cleaning operations	x		All SPEC			All Degreaser (remote reservoir cleaner)		1171(c)(7) None, exempt per 1171(d)(1)	All: see Rule 109 Degreaser: none		APP
Rule 1173	Fugitive Emissions of Volatile Organic Compounds			x	h								APP
Rule 1174	Control of VOC Emissions from the Ignition of Barbecue Charcoal			x	d								APP

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
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Rule 1175	Control of Emissions from the Manufacture of Polymeric Cellular (Foam) Products			x	d								APP
Rule 1176	Sumps and Wastewater Separators			x	b								APP
Rule 1178	Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities			x	b								
Rule 1179	Publicly Owned Treatment Works Operations			x	b								APP
Rule 1183	Outer Continental Shelf (OCS) Air Regulations			x	f								NO
Rule 1186	PM10 Emissions from Paved and Unpaved Roads, and Livestock Operations			x	b								NO
Rule 1186.1	Less-Polluting Sweepers			x	b								APP
Rule 1189	Emission from Hydrogen Plant Process Vents			x	a								APP
Rule 1191	Light- and Medium-Duty Public Fleet Vehicles			x	b								NO
Rule 1192	Clean On-Road Transit Buses			x	b								NO
Rule 1193	Clean On-Road Residential and Commercial Refuse Collection Vehicles			x	b								NO
Rule 1194	Commercial Airport Ground Access			x	b								NO
Rule 1195	Clean On-Road School Buses			x	b								NO
Rule 1196	Clean On-Road Heavy-Duty Public Fleet Vehicles			x	b								NO
REGULATION XII RULES OF PRACTICE AND PROCEDURE													
Rule 1201.	Discretion to Hold Hearing		x		AD	x							APP

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:
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Rule 1202	Notice		x		AD	x							APP
Rule 1203	Petitions		x		AD	x							APP
Rule 1204	Answers to Petitions		x		AD	x							APP
Rule 1205	Function of the Board		x		AD	x							APP
Rule 1206	Appearances		x		AD	x							APP
Rule 1207	Service and Filing		x		AD	x							APP
Rule 1208	Rejection of Documents		x		AD	x							APP
Rule 1209	Form and Size		x		AD	x							APP
Rule 1210	Copies		x		AD	x							APP
Rule 1211	Subpoenas		x		AD	x							APP
Rule 1212	Continuances		x		AD	x							APP
Rule 1213	Request for Continuances or Time Extensions		x		AD	x							APP
Rule 1214	Transcript and Record		x		AD	x							APP
Rule 1215	Conduct of Hearing		x		AD	x							APP
Rule 1216	Presiding Officer		x		AD	x							APP
Rule 1217	Disqualification of Hearing Officer or Board Member		x		AD	x							APP
Rule 1218	Ex Parte Communications		x		AD	x							APP
Rule 1219	Evidence		x		AD	x							APP
Rule 1220	Prepared Testimony		x		AD	x							APP
Rule 1221	Official Notice		x		AD	x							APP
Rule 1222	Order of Proceedings		x		AD	x							APP
Rule 1223	Prehearing Conference		x		AD	x							APP
Rule 1224	Opening Statements		x		AD	x							APP
Rule 1225	Conduct of Cross Examination		x		AD	x							APP
Rule 1226	Oral Argument		x		AD	x							APP
Rule 1227	Briefs		x		AD	x							APP
Rule 1228	Motions		x		AD	x							APP
Rule 1229	Decisions		x		AD	x							APP
Rule 1230	Proposed Decision and Exceptions		x		AD	x							APP

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
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Rule 1231	<i>deleted</i>												RESC
REGULATION XIII NEW SOURCE REVIEW													
Rule 1300	<i>rescinded</i>												NO
Rule 1301	General Rule		x		GEN	x							APP
Rule 1302	Definitions Rule		x		GEN	x							APP
Rule 1303	Requirements Rule		x		GEN	x							APP
Rule 1304	Exemptions Rule		x		GEN	x							LTD

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS

TABLE A-2 REGULATORY APPLICABILITY DETERMINATIONS:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULES AND REGULATIONS

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Rule 1305	<i>rescinded</i>												RESC
Rule 1306	Emission Calculations		x		GEN	x							LTD
Rule 1307	<i>rescinded</i>												RESC
Rule 1308	<i>rescinded</i>												RESC
Rule 1309	Emission Reduction Credits		x		GEN	x							NO
Rule 1309.1	Community Bank and Priority Reserve		x		GEN	x							NO
Rule 1310	Analysis and Reporting		x		GEN	x							APP
Rule 1311	<i>rescinded</i>												RESC
Rule 1313	Permits to Operate		x		GEN	x							APP
REGULATION XIV TOXICS													
Rule 1401	New Source Review of Carcinogenic Air Contaminants	Specifies limits for the emission of carcinogenic compounds from new or modified sources	x		GEN	x							NO
Rule 1402	Control of Toxic Air Contaminants from Existing Sources .			x	b								NO
Rule 1403	Asbestos Emissions from Demolition/Renovation Activities	Specifies safe work practices from building demolition and renovation involving asbestos		x	b								NO
Rule 1404	Hexavalent Chromium Emissions from Cooling Towers	Prohibits the use of Cr+6 in cooling towers	x		SPEC			Cooling Tower	All	None			NO
Rule 1405	Control of Ethylene Oxide and Chlorofluorocarbon Emissions from Sterilization or Fumigation Processes			x	d								NO
Rule 1406	Control of Dioxin Emissions from Medical Waste Incinerators			x	a								NO

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
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Rule 1407	Emissions of Toxic Metals from Non Ferrous Metal Melting			x	a								NO
Rule 1410	suspended			x	d								NO
Rule 1411	Recovery or Recycling of Refrigerants from Motor Vehicle Air Conditioners			x	d								NO
Rule 1414	Asbestos Containing Serpentine Material in Surfacing Applications			x	d								NO
Rule 1415	Reduction of Refrigerant Emissions from Stationary Refrigeration and Air Conditioning Systems	Reduces the emissions of ODC		x	b								NO
Rule 1418	Halon Emissions from Fire Extinguishing Equipment	Reduces halon emissions from halon fire extinguishers		x	b								NO
Rule 1420	Emissions Standard for Lead			x	b								NO
Rule 1421	Control of Perchloroethylene Emissions from Dry Cleaning Operations			x	b								NO
REGULATION XV TRIP REDUCTION/INDIRECT SOURCE													
Rule 1501	repealed												NO
Rule 1501.1	repealed												NO
Rule 1502	District Delegation to Local Governments			x	g								NO
Rule 1504	Cash-Out Program for Non-Owned Employer Parking			x	b								NO
REGULATION XVI MOBILE SOURCE OFFSET PROGRAMS													

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
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Rule 1605	Credits for the Voluntary Repair of On-Road Motor Vehicles Identified Through Remote Sensing Devices		x		GEN	x							NO
Rule 1610	Old Vehicle Scrapping		x		GEN	x							NO
Rule 1612	Credits for Clean On-Road Vehicles		x		GEN	x							NO
Rule 1620	Credits for Clean Off-Road Vehicles		x		GEN	x							NO
Rule 1623	Credits for Lawn and Garden Equipment		x		GEN	x							NO
REGULATION XVII PREVENTION OF SIGNIFICANT DETERIORATION (PSD)													
Rule 1701	General		x		GEN	x							NO
Rule 1702	Definitions		x		GEN	x							NO
Rule 1703	PSD Analysis		x		GEN	x							NO
Rule 1704	Exemptions		x		GEN	x							NO
Rule 1706	Emission Calculations		x		GEN	x							NO
Rule 1710	Analysis, Notice, and Reporting		x		GEN	x							NO
Rule 1713	Source Obligation		x		GEN	x							NO
REGULATION XIX FEDERAL CONFORMITY REGULATIONS													
Rule 1901	General Conformity			x	g								NO
Rule 1902	Transportation Conformity			x	g								NO
REGULATION XX REGIONAL CLEAN AIR INCENTIVES MARKET (RECLAIM)													
Rule 2000	General		x		SPEC	x	RECLAIM Permit	Reformer					LTD
Rule 2001	Applicability		x		SPEC	x	RECLAIM Permit	Reformer					LTD
Rule 2002	Allocations for Oxides of Nitrogen (NOx) and Oxides of Sulfur (SOx)		x		SPEC	x	RECLAIM Permit	Reformer					LTD
Rule 2004	Requirements		x		SPEC	x	RECLAIM Permit	Reformer		2004(b)			LTD

EVALUATION OF FEDERALLY ENFORCEABLE REQUIREMENTS
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Rule 2005	New Source Review for RECLAIM		x		SPEC	x	RECLAIM Permit	Reformer					LTD	
Rule 2006	Permits		x		SPEC	x	RECLAIM Permit	Reformer					LTD	
Rule 2007	Trading Requirements		x		SPEC	x	RECLAIM Permit	Reformer					LTD	
Rule 2008	Mobile Source Credits		x		SPEC	x	RECLAIM Permit	Reformer					LTD	
Rule 2010	Administrative Remedies and Sanctions		x		SPEC	x	RECLAIM Permit	Reformer					LTD	
Rule 2011	Requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Sulfur (SOx) Emissions			x	b								LTD	
Rule 2012	Requirements for Monitoring, Reporting, and Recordkeeping for Oxides of Nitrogen (NOx) Emissions		x		SPEC		RECLAIM Permit	Reformer		2012(c), 2012(e), 2012(i)			LTD	
Rule 2015	Backstop Provisions			x	g								LTD	
REGULATION XXI PORTABLE EQUIPMENT - STATEWIDE REGULATION														
Rule 2100	Registration of Portable Equipment			x	a								NO	
REGULATION XXII ON-ROAD VEHICLE MITIGATION														
Rule 2202	On-Road Vehicle Mitigation Options			x	b								NO	
REGULATION XXX TITLE V PERMITS														
Rule 3000	General		x		GEN	x							NO	
Rule 3001	Applicability		x		GEN	x							NO	
Rule 3002	Requirements		x		GEN	x							NO	
Rule 3003	Applications		x		GEN	x							NO	
Rule 3004	Permit Types and Content		x		GEN	x							NO	
Rule 3005	Permit Revisions		x		GEN	x							NO	
Rule 3006	Public Participation		x		GEN	x							NO	

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Rule 3007	Effect of Permit		x		GEN	x							NO
REGULATION XXXI - ACID RAIN PERMIT PROGRAM													
Regulation XXXI cites the requirements outlined in 40 CFR Part 72.													
Subpart A	Acid Rain Program General Provisions			x	b								APP
Subpart B	Designated Representative			x	b								APP
Subpart C	Acid Rain Applications			x	b								APP
Subpart D	Acid Rain Compliance Plan and Compliance Options			x	b								APP
Subpart E	Acid Rain Permit Contents			x	b								APP
Subpart G	Acid Rain Phase II Implementation			x	b								APP
Subpart H	Permit Revisions			x	b								APP
Subpart I	Compliance Certification			x	b								APP

Reason codes for non-applicability¹

- The facility does not have this emission unit.
- The facility is not in the applicable source category.
- The facility does not use this fuel type.
- The facility does not conduct this operation or use this procedure.
- The pollutant is not emitted by the facility.
- The facility is not in the designated location.
- This rule is applicable only to the agency.
- The facility or equipment is specifically exempted from this rule

Reason codes for applicability¹

- D - This administrative rule includes: definitions, agency authorities, standards, fee rates, procedures, etc., but does not convey any applicable requirements.
- LL - This prohibitory rule applies to all sources (permitted and unpermitted). Affected permit units present at the facility are listed in column labeled **Permit #**.
- UT - NOx RECLAIM will be applicable to the facility in the future.
- EN - This rule generally applies to all facilities and conveys requirements for permits, posting of permits, etc.
- ECLAIM - This rule applies, but specific sections superseded by RECLAIM. Listed sections do not apply to this facility.
- PEC - This rule applies to specific equipment at the facility.
- This rule will apply if the cogen facility is installed

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SIP approval status codes²

APP - SIP approved and current SCAQMD rule.

DEL - Deleted by EPA and rescinded by SCAQMD.

DIS - Disapproved by EPA and current SCAQMD rule.

LD - This rule has limited approval / limited disapproval by EPA.

NO - No action by EPA and current SCAQMD rule

RESC - SIP approved and rescinded by SCAQMD

Codes for MRR and test methods³

3AP - Gap filling measures outlined in SCAQMD Periodic Monitoring Guidelines